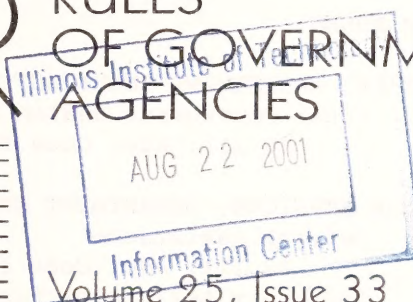


2001

# ILLINOIS

## REGISTER

RULES  
OF GOVERNMENTAL  
AGENCIES



Volume 25, Issue 33  
August 17, 2001

Pages 10,272 – 10,564



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Issue 16-April	14, 2000:	Data Through March	31, 2000
Issue 29-July	14, 2000:	Data Through June	30, 2000
Issue 42-October	13, 2000:	Data Through September	30, 2000
Issue 3-January	19, 2001:	Data Through December	31, 2000 (Annual)

## INTRODUCTION

The *Illinois Register* is the official state document for publishing public notice of rulemaking activity initiated by State governmental agencies. The table of contents is arranged categorically by rulemaking activity and alphabetically by agency within each category. The Register also contains a Cumulative Index listing alphabetically by agency the Parts (sets of rules) on which rulemaking activity has occurred in the current Register volume year and a Sections Affected Index listing by Title each Section (including supplementary material) of a Part on which rulemaking activity has occurred in the current volume year. Both indices are action coded and are designed to aid the public in monitoring rules.

Rulemaking activity consists of proposed or adopted new rules; amendments to or repealers of existing rules; and rules promulgated by emergency or peremptory action. Executive Orders and Proclamations issued by the Governor; notices of public information required by State statute; and activities (meeting agendas, Statements of Objection or Recommendation, etc.) of the Joint Committee on Administrative Rules (JCAR), a legislative oversight committee which monitors the rulemaking activities of State agencies; is also published in the Register.

The Register is a weekly update to the *Illinois Administrative Code* (a compilation of the rules adopted by State agencies). The most recent edition of the Code along with the Register comprise the most current accounting of State agencies' rules.

The Illinois Register is the property of the State of Illinois, granted by the authority of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.].

## REGISTER PUBLICATION SCHEDULE 2001

Issue #	Copy Due by 4:30 p.m.	Publication Date	Issue #	Copy Due by 4:30 p.m.	Publication Date
Issue 1	December 26, 2000	January 5, 2001	Issue 28	July 2	July 13
Issue 2	January 2, 2001*	January 12	Issue 29	July 9	July 20
Issue 3	January 8	January 19	Issue 30	July 16	July 27
Issue 4	January 16*	January 26	Issue 31	July 23	August 3
Issue 5	January 22	February 2	Issue 32	July 30	August 10
Issue 6	January 29	February 9	Issue 33	August 6	August 17
Issue 7	February 5	February 16	Issue 34	August 13	August 24
Issue 8	February 13*	February 23	Issue 35	August 20	August 31
Issue 9	February 20*	March 2	Issue 36	August 27	September 7
Issue 10	February 26	March 9	Issue 37	September 4*	September 14
Issue 11	March 5	March 16	Issue 38	September 10	September 21
Issue 12	March 12	March 23	Issue 39	September 17	September 28
Issue 13	March 19	March 30	Issue 40	September 24	October 5
Issue 14	March 26	April 6	Issue 41	October 1	October 12
Issue 15	April 2	April 13	Issue 42	October 9*	October 19
Issue 16	April 9	April 20	Issue 43	October 15	October 26
Issue 17	April 16	April 27	Issue 44	October 22	November 2
Issue 18	April 23	May 4	Issue 45	October 29	November 9
Issue 19	April 30	May 11	Issue 46	November 5	November 16
Issue 20	May 7	May 18	Issue 47	November 13*	November 26**
Issue 21	May 14	May 25	Issue 48	November 19	November 30
Issue 22	May 21	June 1	Issue 49	November 26	December 7
Issue 23	May 29*	June 8	Issue 50	December 3	December 14
Issue 24	June 4	June 15	Issue 51	December 10	December 21
Issue 25	June 11	June 22	Issue 52	December 17	December 28
Issue 26	June 18	June 29	Issue 1	December 26 (Wed. Noon)	January 4, 2002
Issue 27	June 25	July 6			

\* Tuesday 12 noon deadline following a state holiday.

\*\* Monday publication date following a state holiday.



## ILLINOIS EMERGENCY MANAGEMENT AGENCY

## NOTICE OF PROPOSED RULES

- 1) Heading of the Part: Political Subdivision Emergency Services and Disaster Agencies

- 2) Code Citation: 29 Ill. Adm. Code 301

3) Section Numbers:

<u>Section Numbers:</u>	<u>Proposed Action:</u>
301.110	New Section
301.120	New Section
301.130	New Section
301.140	New Section
301.210	New Section
301.220	New Section
301.230	New Section
301.240	New Section
301.250	New Section
301.260	New Section
301.310	New Section
301.320	New Section
301.410	New Section
301.420	New Section
301.430	New Section
301.440	New Section
301.450	New Section
301.510	New Section
301.520	New Section
301.610	New Section
301.620	New Section
301.630	New Section
301.710	New Section
301.720	New Section
301.730	New Section
301.740	New Section
301.750	New Section
301.760	New Section

- 4) Statutory Authority: Implementing the Illinois Emergency Management Agency Act [20 ILCS 3305] and authorized by Sections 5(f)(4), (f)(5) and 10(i) of that Act and by Sections 5(f)(4), 5(f)(5), 5(f)(5.5) and 5(f)(5.10) of P.A. 92-0073, effective January 1, 2002.

- 5) A Complete Description of the Subjects and Issues Involved: This rulemaking establishes political subdivision emergency services and disaster agencies (ESDAs) emergency operations plan (EOP) requirements, including requirements for EOP development, EOP submission, review and approval, and EOP exercises. The rulemaking additionally establishes criteria for optional ESDA opportunities including accreditation, certification, workers' compensation and workers' occupational diseases coverage for ESDA volunteers, and EWA grants.

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

## NOTICE OF PROPOSED RULES

- 6) Will this proposed rule replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Does this proposed rule contain incorporations by reference? No
- 9) Are there any other proposed rules pending on this Part? No

- 10) Statement of Statewide Policy Objectives: This rulemaking is intended to take effect on or after January 1, 2002 to reflect the mandates of the IEMA Act, including recent amendments to the IEMA Act that will become effective on January 1, 2002. This rulemaking clarifies the basic requirements for providing effective emergency management through planning, exercising and evaluation for political subdivisions with ESDAs established pursuant to the IEMA Act. For some county governments with mandated ESDAs that currently do not meet IEMA's prior requirements, this rulemaking may require additional expenditures which IEMA is prepared to match through the EMA Grant program and to support through the provision of free technical assistance. This rulemaking establishes the basic ESDA requirements to enable IEMA and political subdivision ESDAs to fulfill the statutory mandate of insuring that the State is prepared for disasters, of preserving the lives and property of the people of Illinois and of protecting the public peace, health, and safety in the event of a disaster.

- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Comments on this proposed rulemaking may be submitted in writing for a period of 45 days following publication of this notice to:

Jeanne Heaton  
Assistant Legal Counsel  
Illinois Emergency Management Agency  
110 East Adams Street  
Springfield IL 62701

- 12) Initial Regulatory Flexibility Analysis:

- A) Types of small businesses, small municipalities and not for profit corporations affected: This proposed rulemaking will not impact small businesses or not for profit corporations. It will only impact those small municipalities that choose to establish an ESDA pursuant to the IEMA Act. The rule does not require any small municipalities to establish such an ESDA, but only affects those who have chosen to do so.

- B) Reporting, bookkeeping or other procedures required for compliance:  
Minimal

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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- C) Types of professional skills necessary for compliance: Basic knowledge of emergency management.

- 13) Regulatory Agenda on which this rulemaking was summarized: July 2001

The full text of the Proposed Rules begins on the next page:

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

## NOTICE OF PROPOSED RULES

- TITLE 29: EMERGENCY SERVICES, DISASTERS, AND CIVIL DEFENSE  
CHAPTER I: EMERGENCY MANAGEMENT AGENCY  
SUBCHAPTER c: ADMINISTRATION AND ORGANIZATION OF  
POLITICAL SUBDIVISION EMERGENCY SERVICES DISASTER AGENCIES

## PART 301

## POLITICAL SUBDIVISION EMERGENCY SERVICES AND DISASTER AGENCIES

## SUBPART A: GENERAL PROVISIONS

Section
301.110 Purpose, Scope, Applicability
301.120 Definitions
301.130 Severability
301.140 Multiple County ESDA Consolidation

## SUBPART B: EMERGENCY OPERATIONS PLAN REQUIREMENTS

Section
301.210 Authority
301.220 Initial Analysis and Assessment
301.230 Basic Plan Requirements
301.240 Functional Annex Requirements
301.250 Hazard Specific Annexes
301.260 Other Annexes

SUBPART C: EMERGENCY OPERATIONS PLAN  
SUBMISSION AND REVIEW REQUIREMENTS

Section
301.310 EOP Submission and Review Requirements for Mandated ESDAs and Accredited ESDAs
301.320 EOP Submission and Review Requirements for Non-Mandated ESDAs

## SUBPART D: EXERCISE REQUIREMENTS

Section
301.410 Exercise Requirements for the Emergency Operations Plan
301.420 Exercise Planning
301.430 Exercise Evaluation and Approval for Mandated ESDAs and Accredited ESDAs
301.440 Exercise Evaluation and Acceptance for Non-Mandated ESDAs
301.450 Waiver of Exercise Requirement

## SUBPART E: ACCREDITATION AND CERTIFICATION OF ESDAS

Section
301.510 Accreditation of ESDAs



## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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## 301.520 Certification of Non-Mandated ESDAs

SUBPART F: WORKERS' COMPENSATION ACT  
AND WORKERS' OCCUPATIONAL DISEASES ACT COVERAGE FOR VOLUNTEERS

## Section

301.610 Authority

301.620 Eligibility

301.630 Procedures for Filing a Claim

SUBPART G: REQUIREMENTS FOR THE EMERGENCY MANAGEMENT ASSISTANCE  
GRANT PROGRAM

## Section

301.710 Purpose

301.720 Eligible Applicants

301.730 Application Procedures

301.740 Allocation Determination

301.750 Reimbursement Procedures

301.760 Reconsideration of Reimbursement Denial

**AUTHORITY:** Implementing the Illinois Emergency Management Agency Act [20 ILCS 3305/1 through 3305] and authorized by Sections 5(f)(4), 5(f)(5) and 10(i) of the Illinois Emergency Management Agency Act [20 ILCS 3305/5(f)(4), 5(f)(5) and 10(i)] and by Sections 5(f)(4), 5(f)(5), 5(f)(5.5) and (5)(f)(5.10) of P.A. 92-0073, effective January 1, 2002.

**SOURCE:** Adopted and codified at 25 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## SUBPART A: GENERAL PROVISIONS

## Section 301.110 Purpose, Scope, Applicability

- a) In serving the IEMA mandate to prepare the State of Illinois to deal with disasters, to preserve the lives and property of the people of this State and to protect the public peace, health and safety in the event of a disaster, the purposes of this Part are:

- 1) To encourage local policy makers and emergency responders to plan and coordinate their emergency management strategy to improve emergency management capabilities at the local level; and
- 2) To establish requirements for:

- A) Emergency operations plans;
- B) Exercises of emergency operations plans;
- C) Accreditation and Certification of ESDAs;
- D) Workers' compensation coverage and workers' occupational diseases coverage for volunteers; and
- E) The emergency management assistance grant program.

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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- b) The provisions of this Part apply to all emergency services and disaster agencies established pursuant to the Illinois Emergency Management Agency Act [20 ILCS 3305].

## Section 301.120 Definitions

All definitions set forth in this Section have the following meanings throughout this Part, unless specifically provided otherwise. Words and terms not defined have the meanings set forth in the Illinois Emergency Management Agency Act.

"Act" means the Illinois Emergency Management Agency Act [20 ILCS 3305].

"Accreditation" means recognition of an emergency services and disaster agency by the Illinois Emergency Management Agency, in accordance with the requirements of Section 301.510 of this Part.

"Assumptions" means the information, facts and data treated as true for development of the emergency operations plan.

"Certification" means recognition of a non-mandated emergency services and disaster agency by an accredited county or multiple county emergency services and disaster agency in conjunction with the Illinois Emergency Management Agency, or by the Illinois Emergency Management Agency in the event that no accredited county or multiple county emergency services and disaster agency serves the county in which the non-mandated emergency services and disaster agency is located, in accordance with Section 301.520 of this Part.

"Concept of Operations" means the overall approach of the political subdivision to the management of a disaster, such as who directs response efforts, what should happen, and when it should happen, including, but not limited to, how the political subdivision will implement the concepts and procedures of a recognized incident command system.

"Coordinator" means the staff assistant to, or the person appointed in accordance with Section 10(i) of the Act by, the principal executive officer of a political subdivision with the duty of coordinating the emergency management programs of that political subdivision.

"Damage Assessment" means an appraisal or determination of the effects of the disaster on physical, economic and natural resources and on human life.

"Disaster" means an occurrence or threat of widespread or severe damage, injury or loss of life or property resulting from any natural

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or technological cause, including but not limited to fire, flood, earthquake, wind, storm, hazardous materials spill or other water contamination requiring emergency action to avert danger or damage, epidemic, air contamination, blight, extended periods of severe and inclement weather, drought, infestation, critical shortages of essential fuels and energy, explosion, riot, hostile military or paramilitary action, or acts of domestic terrorism. [20 ILCS 3305/4]

"Emergency Management" means the efforts of the political subdivisions to develop, plan, analyze, conduct, provide, implement and maintain programs for disaster mitigation, preparedness, response and recovery.

"Emergency Operations Center" or "EOC" means a location where policy and strategic management decisions are made during a disaster or disaster exercise.

"Emergency Operations Plan" or "EOP" means the written plan of a political subdivision describing the organization, mission, and functions of the political subdivision government and supporting services for responding to and recovering from disasters.

"Emergency Planning and Community Right to Know Act" or "EPCRA" means the federal Act (42 USC 11001).

"Emergency Services and Disaster Agency" or "ESDA" means the agency by this name, by the name emergency management agency or by any other name that is established by ordinance within a political subdivision to coordinate the emergency management program within that political subdivision and with private organizations, other political subdivisions, the State and federal governments. [20 ILCS 3305/4]

"Exercise" means a planned event realistically simulating a disaster, conducted for the purpose of evaluating the political subdivision's coordinated emergency management capabilities, including, but not limited to, testing emergency operations plans. [20 ILCS 3305/4]

"Exercise Design Team" means the people selected in accordance with Section 301.420(a) of this Part to develop and coordinate the exercise and the team from which a team member is designated to be the design team leader.

"Federal Fiscal Year" or "FFY" means the federal budget period that begins annually on October 1 and ends the following September 30. The federal fiscal year is divided into four quarters. The first quarter is October 1 - December 31; the second quarter is January 1 - March 31; the third quarter is April 1 - June 30; and the fourth quarter is July 1 - September 30.

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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"FEMA" means the Federal Emergency Management Agency.

"Full-Scale Exercise" means a time-pressured exercise of a minimum of six functions of the emergency operations plan, involving strategic and tactical decision making, including the direction and control function, activating the emergency operations center and incident command post and deploying responders, equipment, and resources to the field.

"Functional Exercise" means a time-pressured exercise of a minimum of four functions of the emergency operations plan, involving strategic and tactical decision making, including the direction and control function, activating the emergency operations center or the incident command post, or both.

"Goals" mean concepts adopted by strategic decision makers to give overall direction to disaster response and recovery, derived from one or more emergency management functions of the emergency operations plan and accomplished through decision makers of the emergency operations center and incident command system.

"Hazardous Materials Annex" means the annex to the emergency operations plan that is prepared in accordance with the requirements of Section 301.250 of this Part by the emergency services and disaster agency to address chemical hazards of the political subdivision and that includes all applicable portions of a State Emergency Response Commission approved Local Emergency Planning Committee chemical emergency response plan as applicable to the political subdivision preparing the emergency operations plan.

"IEMA" means the Illinois Emergency Management Agency.

"Illinois Emergency Planning and Community Right to Know Act" or "Illinois EPCRA" means 430 ILCS 100.

"Incident Command" means a system that combines facilities, equipment, personnel, procedures, and communications to operate within a common organizational structure and that designates responsibility for the management of assigned resources to effectively accomplish stated goals and objectives.

"Incident Commander" means the individual responsible for the management of all incident command operations.

"Incident Command Post" means the location at which the primary command functions are executed.

"Local Emergency Planning Committee" or "LEPC" means the committee



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appointed in each emergency planning district by the State Emergency Response Commission pursuant to the Emergency Planning and Community Right to Know Act and the Illinois Emergency Planning and Community Right to Know Act.

"Mandated Emergency Services and Disaster Agency" or "Mandated ESDA" means each emergency services and disaster agency required to be established pursuant to Section 10 of the Illinois Emergency Management Agency Act [20 ILCS 3305/10]:

Each county emergency services and disaster agency, unless multiple county emergency services and disaster agency consolidation is authorized by the Illinois Emergency Management Agency with the consent of the respective counties in accordance with Section 301.140 of this Part;

Each multiple county emergency services and disaster agency authorized in accordance with Section 301.140 of this Part;

Each emergency services and disaster agency in a municipality with a population of over 500,000; and

Each emergency services and disaster agency determined by the Governor to be required for a municipal corporation pursuant to Section 10(d) of the Act.

"Mitigation" means actions taken to eliminate or reduce the degree of risk to life and property from hazards, either prior to or following a disaster.

"Non-Mandated Emergency Services and Disaster Agency" or "Non-Mandated ESDA" means an emergency services and disaster agency not required to be established pursuant to the Illinois Emergency Management Agency Act, but established by ordinance of the political subdivision it serves.

"Objectives" mean definable and measurable concepts adopted by tactical decision makers to accomplish the goals of disaster response and recovery, usually derived from one or more emergency management functions of the emergency operations plan.

"Political Subdivision" means any county, city, village, or incorporated town or township if the township is in a county having a population of more than 2,000,000. [20 ILCS 3305/4]

"Preparedness" means actions taken and programs and systems developed prior to a disaster to support and enhance response to and recovery from a disaster.

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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"Principal Executive Officer" means chair of the county Board, supervisor of a township if the township is in a county having a population of more than 2,000,000, mayor of a city or incorporated town, president of a village, or in their absence or disability, the interim successor as established under Section 7 of the Emergency Interim Executive Succession Act. [20 ILCS 3305/4]

"Recovery" means restoration actions and programs.

"Response" means the actions taken to address the immediate and short-term effects of a disaster.

"State Emergency Response Commission" or "SERC" means the Illinois Emergency Management Agency as appointed by the Governor in accordance with the Emergency Planning and Community Right to Know Act to carry out all State responsibilities required by the Emergency Planning and Community Right to Know Act.

"Statement of Work" means a narrative description of the emergency services and disaster agency's specific actions to be accomplished during the next federal fiscal year.

"Strategic Decisions" means policy decisions that determine the goals of disaster response and recovery, usually made by elected officials or by designees appointed by ordinance, law, or emergency operations plan to act on behalf of elected officials during a disaster.

"Table Top Exercise" means a low stress, non-time-pressured, discussion based exercise of a minimum of four functions of the emergency operations plan, including the direction and control function, held in the Emergency Operations Center, the Incident Command Post, or other suitable facility.

"Tactical Decisions" means decisions that determine the objectives to satisfy the goals set by strategic decision makers, usually made by designees of the strategic decision makers, including command or general staff within the incident command system.

## Section 301.130 Severability

If any Section, subsection, sentence or clause of this Part is adjudged unconstitutional, invalid or otherwise not effective for any reason, such adjudication shall not affect the validity of this Part as a whole or of any Section, subsection, sentence or clause thereof not adjudged unconstitutional, invalid or otherwise not effective for any reason.

## Section 301.140 Multiple County ESDA Consolidation



## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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IEMA may authorize a multiple county ESDA consolidation, if all of the following requirements are met:

- a) At least one of the counties to be consolidated has been determined by IEMA to have an inability to comply with the ESDA requirements of the IEMA Act and of this Part, including, but not limited to, the EOP and exercise requirements, that can be remedied by consolidation;
- b) The counties to be consolidated are geographically connected; and
- c) The counties seeking to consolidate present to IEMA a signed intergovernmental agreement between the counties seeking to consolidate ESDAs that provides at a minimum:

- 1) Evidence of consolidation approval and authorization by each of the county boards involved;
- 2) A beginning and ending date to the term of the consolidation agreement;
- 3) A description of how the county boards will divide or distribute authority for the consolidated ESDA in a way that will ensure that the emergency management interests of the affected counties are adequately addressed and of how issues will be addressed by the counties, such as funding and budget issues and legal representation for ESDA issues, including tort and workers' compensation issues;
- 4) A description of how the consolidated ESDA will operate in a situation of concurrent disasters in each of the consolidated counties; and
- 5) Evidence of how the unified command system will be implemented by the consolidated ESDA.

## SUBPART B: EMERGENCY OPERATIONS PLAN REQUIREMENTS

## Section 301.210 Authority

In accordance with requirements of Section 10(g) of the Act, each ESDA established pursuant to the Act shall prepare an emergency operations plan for its geographic boundaries that complies with the planning, review and approval standards set forth in this Part.

## Section 301.220 Initial Analysis and Assessment

To begin the planning process and in conjunction with biennial EOP updates, representatives of the political subdivision organizations involved with emergency response shall jointly conduct all of the following tasks:

- a) Conduct a hazard analysis for the political subdivision:
  - 1) Identify hazards, including natural and technological;
  - 2) Profile hazards, considering frequency, magnitude, intensity, location, spatial extent, duration, seasonal pattern, speed of onset and availability of warning, using historical data, scientific methods or other sources; and
  - 3) Compare and prioritize risks of the hazards identified.

## ILLINOIS EMERGENCY MANAGEMENT AGENCY

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- b) Assess vulnerabilities within the political subdivision:
  - 1) Collect demographic data (such as daily population patterns, traffic patterns, seasonal population changes, special needs populations) from public and private sources to determine potential consequences of identified hazards on people and community functions.
  - 2) Collect structural inventory data (including data on critical facilities, residential, commercial, and industrial structures, lifelines, and transportation) to determine potential consequences of identified hazards on community functions, property and sites of potential secondary hazards.
  - c) Assess response capabilities of the political subdivision, identify shortfalls in response capabilities and develop strategies to alleviate shortfalls, such as memorandums of understanding, mutual aid agreements or good Samaritan agreements.

## Section 301.230 Basic Plan Requirements

- a) The EOP shall have a foreword that includes:
  - 1) A document signed and dated by the principal executive officer of the political subdivision approving the plan.
  - 2) A register for recording changes and entering change dates.
  - 3) A signature page providing signatory evidence that the highest ranking officials of all governmental departments, including, but not limited to, fire and police, and private sector organizations with assigned emergency responsibilities, concur with the portions of the plan applicable to the entity they represent.
  - 4) For non-mandated ESDAs, except those accredited pursuant to Section 301.510 of this Part, a signature page providing signatory evidence that each county or multiple county ESDA coordinator serving the county in which the non-mandated ESDA is located, other than the county or multiple county ESDA reviewing the EOP for acceptance pursuant to Section 301.320 of this Part, concurs with the portions of the plan applicable to the ESDA they represent.
  - 5) A distribution list of the plan recipients, indicating whether complete plans or specific portions were distributed.
  - 6) A table of contents listing all sections of the plan.

- b) The EOP shall have a Basic Plan Overview detailing the political subdivision's approach to emergency operations, including:
  - 1) A general purpose statement of the EOP.
  - 2) A list of assumptions used in developing the plan.
  - 3) A concept of operations section, including, but not limited to, how the political subdivision will implement the concepts and procedures of a recognized incident command system.
  - 4) Identification of the line of succession, by title and position, (with up to two alternates) of who will implement the plan, direct emergency response and recovery, and provide continuous



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- leadership, authority and responsibility.
- 5) A description of the functions and responsibilities assigned to each organization, including private and volunteer organizations or groups, in support of emergency response and recovery operations in the political subdivision. This information may also be exhibited in a chart or matrix designating who has primary and support responsibilities.
  - 6) Maps, or references to maps or to a GIS system available in the EOC, pertinent to emergency operations planning for the political subdivision and including, but not limited to, locating fixed hazards.
  - 7) An attachment containing written mutual aid agreements, memorandums of understanding (MOUs), and other written agreements affecting the emergency response and recovery functions of the political subdivision.
  - 8) Procedures detailing how the political subdivision will request outside assistance in a disaster, such as assistance from other ESDAs or IEMA, or both.
  - 9) Citations to the legal authorities for emergency operations, including, but not limited to, ordinances.
  - 10) Assignment of responsibility for plan maintenance, review, evaluation and updating.

## Section 301.240 Functional Annex Requirements

- a) The EOP shall include an annex addressing how the political subdivision will perform each of the following functions:
  - 1) Direction and Control--What means the political subdivision will use to direct and control activities during and following emergency situations.
  - 2) Communications--How information will be exchanged among responders in an emergency situation.
  - 3) Warning/Emergency Information--How the public will be warned and instructed regarding actual or threatened hazards through the public media or other means.
  - 4) Public Information--The means, organization and process by which a political subdivision will provide timely, accurate, and useful information and instructions to area residents throughout an emergency. It includes information disseminated to the public through the media and other information sources on what is happening, what the response organization is doing, and what the public should do for its safety.
  - 5) Disaster Intelligence/Damage Assessment--The means the political subdivision will use to identify, collect, analyze and disseminate information on the extent and impact of the disaster.
  - 6) Evacuation--The movement of people to a safe area from an area believed to be at risk, when emergency situations necessitate such action.

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- 7) Mass Care--Actions taken to ensure appropriate services are provided at a mass care facility, including, but not limited to, providing temporary shelter, food, medical care, clothing and other essential life support needs to people displaced from their homes because of a disaster situation.
  - 8) Health and Medical--The activities associated with providing health and medical services in emergencies and disasters, including emergency medical, hospital, public health, environmental health, mental health services.
  - 9) Mortuary Services--Activities including the collection, identification, and care of human remains; determining the cause of death; inventorying and protecting deceased's personal effects; and locating and notifying the next of kin.
  - 10) Resource Management--The process of managing people, equipment, facilities, supplies and other resources to satisfy the needs generated by a disaster.
- b) Each functional annex required by subsection (a) shall individually address:
- 1) The purpose of the function.
  - 2) A description of situations that trigger implementation of the function.
  - 3) A description of assumptions that apply to the function.
  - 4) The concept of operations for the function.
  - 5) Assignment of responsibility for annex maintenance, review and updating.
- c) In addition to addressing the requirements of subsection (b), the Direction and Control annex shall also:
- 1) Describe the direction and control relationship of tasked organizations, including:
    - A) The command structure--specifically who will be in charge during emergency response operations.
    - B) The authorities of, and limitations on, key response personnel such as the on-scene Incident Commander.
    - C) How emergency response organizations will be notified when it is necessary to respond.
    - D) The means that will be used to obtain, analyze, and disseminate information (for decision making, requesting assistance, reporting, etc.).
    - E) The relationship between the EOC and the Incident Command Post.
  - 2) List the organizations that are tasked with specific direction and control responsibilities and describe those responsibilities. Include the assignment of responsibility for:
    - A) Reporting to the EOC when activated.
    - B) Coordinating press releases among response organizations.
    - C) Managing the primary and alternate EOCs.
    - D) Maintaining a significant events log.
    - E) Removing debris.

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- d) In addition to addressing the requirements of subsection (b), the Communications annex shall also:
- 1) Describe the total emergency communications system used for communication among all groups and individuals involved in the political subdivision's response to an emergency.
  - 2) Describe the primary and backup communication methods and personnel.
  - 3) Identify the organization assigned to coordinate all communication activities.
  - 4) List the organizations that are tasked with specific communications responsibilities and describe those responsibilities.
  - 5) Identify the representative from each tasked organization who will report to the EOC when activated.
- e) In addition to addressing the requirements of subsection (b), the Warning/Emergency Information annex shall also:
- 1) Identify the methods used to provide warning/emergency information for the public and special populations.
  - 2) Identify the locations of outdoor warning/emergency information devices and define the geographical areas covered.
  - 3) Describe the specific warning/emergency information responsibilities assigned to the tasked organizations.
  - 4) Identify the department or agency responsible for activating public warning/emergency information systems.
- f) In addition to addressing the requirements of subsection (b), the Public Information annex shall also:
- 1) Assign a person to be the public information officer (PIO) responsible for coordinating information gathering and production, rumor control, public inquiries, and media relations.
  - 2) Designate a facility as the public information center.
  - 3) List the organizations that are tasked with specific public information responsibilities and describe those responsibilities.
  - 4) Assign a public information representative to report to the EOC when activated.
- g) In addition to addressing the requirements of subsection (b), the Disaster Intelligence/Damage Assessment annex shall also:
- 1) List the organizations that are tasked with specific disaster intelligence/damage assessment responsibilities and describe those responsibilities.
  - 2) Assign a disaster intelligence/damage assessment representative to report to the EOC when activated.
- h) In addition to addressing the requirements of subsection (b), the Evacuation annex shall also:
- 1) List the organizations that are tasked with specific evacuation responsibilities and describe those responsibilities.
  - 2) Identify the department, agency or organization responsible for coordinating all transportation resources planned for use in an evacuation.

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- i) In addition to addressing the requirements of subsection (b), the Mass Care annex shall also:
- 1) List the organizations that are tasked with specific mass care responsibilities and describe those responsibilities, including:
    - A) Identification of the department, agency, or organization responsible for determining the need to open shelter.
    - B) Identification of the department, agency, or organization responsible for emergency mass feeding operations.
    - C) Identification of the department, agency, or organization responsible for providing health and/or medical care at shelter and/or congregate care facilities.
  - 2) Assign a mass care representative to report to the EOC when activated.
  - 3) Identify the mass care representative who will coordinate press releases with the public information officer.
- j) In addition to addressing the requirements of subsection (b), the Health and Medical Services annex shall also:
- 1) List the organizations and individuals that are tasked with responsibilities for providing emergency health and medical services and describe those responsibilities, including:
    - A) Identification of the department, agency, or organization responsible for arranging crisis counseling for emergency workers.
    - B) Identification of the department, agency, or organization responsible for sanitation services.
  - 2) Assign a health and medical services representative to report to the EOC when activated.
- k) In addition to addressing the requirements of subsection (b), the Mortuary Services annex shall also:
- 1) List the organizations and individuals that are tasked with mortuary services responsibilities and describe those responsibilities.
  - 2) Describe how mortuary services will be expanded during a mass casualty incident, if necessary.
- l) In addition to addressing the requirements of subsection (b), the Resource Management annex shall also:
- 1) List the organizations and individuals that are tasked with resource management responsibilities and describe those responsibilities. Include identification of who will organize, manage, coordinate, and distribute the donations of money, goods and labor received from individual citizens and volunteer groups during an emergency.
  - 2) Assign a resource management representative to report to the EOC when activated.
- m) The ESDA may include additional functional annexes in the EOP as determined by the ESDA to be necessary for the emergency management efforts of the political subdivision in the event of a disaster including, but not limited to, the following functions: search and



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rescue, law enforcement, public works, transportation, energy management, animal welfare, legislative relations, aviation operations and/or others. IEMA may require the ESDA to include an additional functional annex in the EOP, if IEMA determines that such annex is necessary preparation for protection of the public peace, health and safety in the event of a disaster.

**Section 301.250 Hazard Specific Annexes**

a) Each hazard specific annex shall individually address:

- 1) The purpose of the annex.
- 2) A description of situations that trigger implementation of the hazard specific annex.
- 3) A description of assumptions that apply to the hazard specific annex.
- 4) The concept of operations for the hazard specific annex.
- 5) Assignment of responsibility for annex maintenance, review and updating.

b) Beginning January 1, 2003, the EOP shall include, as a Hazardous Materials annex, all applicable portions of a SERC approved LEPC chemical emergency response plan for the political subdivision, developed in accordance with the requirements of the Illinois EPCRA. The SERC shall appoint an ESDA coordinator from within the LEPC's emergency planning district to serve as a member of the LEPC in the development of the LEPC chemical emergency response plan.

c) Based upon United States Geological Survey calculations of probable areas subject to earthquake damage, IEMA has determined that the EOPs of the following county ESDAs and of political subdivision ESDAs located within the following counties shall include an Earthquake annex: Alexander, Calhoun, Crawford, Edwards, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jefferson, Jersey, Johnson, Lawrence, Madison, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, St. Clair, Union, Wabash, Washington, Wayne, White, and Williamson. In addition to addressing the requirements of subsection (a), the Earthquake annex shall address, at a minimum:

- 1) For Direction and Control purposes:
  - A) The use of ground or aerial surveys, or both, to determine the scope of the damage, casualties, and the status of critical facilities.
  - B) The use of damage assessment information to identify the facilities and areas where urban search and rescue operations are to be conducted and to establish priorities for search and rescue operations.
    - i) Provisions to control access into and out of damaged areas.
    - ii) The inspection of buildings and other structures to determine habitability or the need for condemnation or demolition and how such determinations will be marked.

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2) For Public Information purposes:

- A) The development and distribution of survival tips on what to do during and immediately after an earthquake.
- B) The distribution of warnings and advice on the continuing threats of fire, unsafe areas, building collapse, aftershocks, and other hazards.
- C) Public notification of emergency assistance locations, such as shelter, medical services, and food and water.

3) For Evacuation purposes:

- A) Provisions for moving residents of custodial facilities, including, but not limited to, hospitals and jails, following an earthquake due to structural damage from the earthquake or projected aftershocks.

4) For Mass Care purposes:

- A) Identification of mass care facilities in low seismic risk areas that are away from secondary effect threats.
- B) Identification of mass care facilities that are structurally sound, well retrofitted, or built to code, based on the knowledge of a structural engineer.
- C) A ranking of the mass care facilities based on the amount of earthquake resistance protection offered.
- d) An ESDA may include additional Hazard Specific annexes in the EOP as determined by the ESDA to be necessary for the emergency management efforts of the political subdivision in the event of a disaster, including, but not limited to annexes on flooding and dam failures, nuclear power plant accidents, terrorism, weapons of mass destruction, tornadoes, or airport accidents. IEMA may require the ESDA to include an additional Hazard Specific annex in the EOP, if IEMA determines that such annex is necessary preparation for protection of the public peace, health and safety in the event of a disaster.

**Section 301.260 Other Annexes**

Mandated ESDAs shall include, as an annex, the EOP, or a cross-reference to the EOP, of a non-mandated ESDA that the mandated ESDA has reviewed and accepted in accordance with the provisions of Section 301.320 of this Part.

SUBPART C: EMERGENCY OPERATIONS PLAN  
SUBMISSION AND REVIEW REQUIREMENTS

**Section 301.310 EOP Submission and Review Requirements for Mandated ESDAs and Accredited ESDAs**

- a) Each mandated ESDA and each ESDA eligible for and seeking accreditation pursuant to Section 301.510 of this Part shall biennially submit to IEMA for review and approval an emergency operations plan for their geographic boundaries that complies with the planning standards of this Part.

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- b) The principal executive officer of the political subdivision and the ESDA coordinator shall review and approve the EOP submission not more than 60 days prior to the submission to IEMA. The EOP submission shall include a statement, signed by the principal executive officer and the ESDA coordinator, that the plan has been reviewed and approved by all departments or organizations with assigned emergency responsibilities.
- c) Each ESDA shall review and update its EOP biennially, except the ESDA shall annually review and update the Hazardous Materials annex to the EOP based on the LEPC annual review of the LEPC chemical emergency response plan.
- d) Each ESDA shall submit a copy of its EOP, either personally with proof of submittal or by certified or registered mail, to IEMA in accordance with the review schedule established by IEMA.
- e) Within 30 days after submittal, IEMA shall review the plan and give written notification to the ESDA, either personally with proof of notification or by certified or registered mail, of IEMA approval or disapproval of the EOP in accordance with the planning standards set forth in this Part.
- f) If the EOP is disapproved, IEMA shall provide a written list of deficiencies and suggested means of remediation to the ESDA. The ESDA has 60 days after receipt of the disapproval to remediate the plan and resubmit it to IEMA, either personally with proof of submission or by certified or registered mail. IEMA may arrange for technical assistance in remediating the plan.
- g) Within 30 days after receipt of the resubmitted plan, IEMA shall notify the ESDA and the principal executive officer of the political subdivision, either personally with proof of notification or by certified or registered mail, of its final determination of approval or disapproval.
- h) In the event that the ESDA fails to obtain IEMA approval of an EOP within the time frames established in this Section, IEMA may arrange for an EOP that complies with the planning standards of this Part to be written for the political subdivision in order to fulfill the IEMA mandate of ensuring statewide disaster preparedness.
- i) Upon approval of the EOP, IEMA will make and retain a copy of the approved plan in the IEMA regional office and return the original copy of the approved plan to the ESDA for retention. In addition, IEMA shall forward a copy of the approved plans of those ESDAs eligible for and seeking accreditation pursuant to Section 301.510 of this Part to the county or multiple county ESDA serving the county in which the ESDA is eligible for and seeking accreditation is located.
- j) IEMA shall send a letter of approval to each mandated ESDA or accredited ESDA that has completed an EOP that complies with the planning standards of this Part.

## Section 301.320 EOP Submission and Review Requirements for Non-Mandated ESDAs

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- a) Except for those non-mandated ESDAs eligible for and seeking accreditation pursuant to Section 301.510 of this Part, each non-mandated ESDA shall biennially submit to the county or multiple county ESDA serving the county in which the non-mandated ESDA is located, for acceptance by the county or multiple county ESDA, an EOP for its geographic boundaries that complies with the planning standards of this Part. The county or multiple county ESDA shall send a letter of acceptance or non-acceptance to the non-mandated ESDA. If the EOP is not accepted by the county or multiple county ESDA and if the non-mandated ESDA so requests, IEMA shall provide professional and technical EOP assistance through the county or multiple county ESDA serving the county in which the non-mandated ESDA is located.
- b) IEMA shall annually review a random sample of at least one EOP but not less than 10 percent of county or multiple county ESDA accepted EOPs in each county that has accepted an EOP in accordance with subsection (a) to ensure consistency of planning review statewide.
- c) For non-mandated ESDAs eligible for and seeking accreditation pursuant to Section 301.510 of this Part, the EOP submission and review requirements of Section 301.310 of this Part shall apply.

## SUBPART D: EXERCISE REQUIREMENTS

## Section 301.410 Exercise Requirements for the Emergency Operations Plan

The ESDA shall coordinate a biennial, evaluated exercise of the EOP in the following manner:

- a) Table top or functional exercise, except for the year of the full-scale exercise.
- b) Full-scale exercise every fourth biennial exercise.

## Section 301.420 Exercise Planning

- a) The ESDA coordinator shall select an exercise design team and exercise design team leader for each exercise.
- b) The ESDA coordinator shall submit to IEMA for design approval, at least 30 days in advance of the exercise, a description of:
  - 1) The type of exercise and exercise date;
  - 2) The exercise scenario;
  - 3) The scope of participation;
  - 4) The exercise objectives, meaning the ends toward which exercise efforts are directed; and
  - 5) The EOP functional areas being tested.

## Section 301.430 Exercise Evaluation and Approval for Mandated ESDAs and Accredited ESDAs

- a) IEMA shall coordinate the evaluation of the exercise for mandated ESDAs and for accredited ESDAs.



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- b) IEMA shall determine if the exercise is approved in accordance with the IEMA Exercise Evaluation Guide and issue written notice of the determination, personally with proof of notice or by certified or registered mail, to the ESDA.
- c) If the exercise is not approved, the ESDA shall, within 30 days after receipt of the IEMA determination of disapproval:
- 1) Plan a suitable corrective exercise to correct the deficiencies identified by the evaluation;
  - 2) Notify IEMA no less than 10 days in advance of the corrective exercise; and
  - 3) Have IEMA coordinate the evaluation of the corrective exercise.
- d) IEMA shall determine if the corrective exercise is approved in accordance with the IEMA Exercise Evaluation Guide and issue the final IEMA determination by written notice, personally with proof of notice or by certified or registered mail, within 30 days after completion of the corrective exercise documentation, to the ESDA and to the principal executive officer of the political subdivision.
- e) In the event that the ESDA fails to obtain IEMA approval of an exercise within the time frames established in this Subpart, IEMA may coordinate the planning and conducting of an exercise that complies with the exercise requirements of this Part in order to fulfill the IEMA mission of ensuring statewide disaster preparedness.

**Section 301.440 Exercise Evaluation and Acceptance for Non-Mandated ESDAs**

- a) Except for those non-mandated ESDAs eligible for and seeking accreditation pursuant to Section 301.510 of this Part, each non-mandated ESDA shall:
- 1) Coordinate the evaluation of the exercise using the IEMA Exercise Evaluation Guide; and
  - 2) Submit documentation, within 30 days, of the exercise and evaluation to the county or multiple county ESDA serving the county in which the non-mandated ESDA is located, for acceptance by the county or multiple county ESDA. The county or multiple county ESDA shall send a letter of acceptance or non-acceptance to the non-mandated ESDA. If the exercise and evaluation is not accepted by the county or multiple county ESDA, and upon request of the non-mandated ESDA, IEMA shall provide professional and technical exercise assistance, through the county or multiple county ESDA serving the county in which the non-mandated ESDA is located.
- b) IEMA shall annually review a random sample of at least one accepted exercise and evaluation submittal but not less than 10 percent of county or multiple county ESDA accepted exercise and evaluation submittals in each county that has accepted an exercise and evaluation in accordance with subsection (a) to ensure consistency of exercise and evaluation acceptance statewide.
- c) For non-mandated ESDAs eligible for and seeking accreditation pursuant

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to Section 301.510 of this Part, the exercise evaluation and approval requirements of Section 301.430 of this Part shall apply.

**Section 301.450 Waiver of Exercise Requirement**

IEMA has the discretion to waive the requirements of Sections 301.410 and 301.420 of this Part, for the ESDA's current exercise year, if the ESDA satisfies all of the following conditions:

- a) The ESDA submits documentation to IEMA that it was involved in an actual response to a disaster during the year in which the exercise is required. Such documentation shall include details about the response, including, but not limited to, the date, type of disaster, and type of response.
- b) For mandated ESDAs and for accredited ESDAs, IEMA shall coordinate the evaluation of the actual response as an exercise using the IEMA Exercise Evaluation Guide. Except for those non-mandated ESDAs accredited pursuant to Section 301.510 of this Part, non-mandated ESDAs shall coordinate the evaluation of the actual response as an exercise using the IEMA Exercise Evaluation Guide and shall submit documentation of the actual response and evaluation to IEMA within 30 days after the actual response.
- c) The actual response as an exercise shall be approved or accepted in the same manner as an exercise is approved or accepted pursuant to Sections 301.430 and 301.440 of this Part.

**SUBPART E: ACCREDITATION AND CERTIFICATION OF ESDAS****Section 301.510 Accreditation of ESDAs**

- a) The following ESDAs are eligible to apply for IEMA accreditation:
- 1) Mandated ESDAs; and
  - 2) Non-mandated ESDAs determined biennially by the IEMA Director, or his/her designee, to have demonstrated justification to IEMA for accreditation eligibility based on the following political subdivision criteria:
    - A) Heightened, greater than average disaster vulnerability;
    - B) An increased need for ESDA services in the political subdivision due to all of the following:
      - i) Population size and concentration;
      - ii) Insufficiency of county ESDA resources to meet the emergency management needs of the political subdivision; and
      - iii) A high concentration of emergency management resources in the political subdivision existing prior to the accreditation eligibility review;
    - C) Evidence that the ESDA coordinator provides to the political subdivision a paid emergency management work effort as coordinator of at least 50% of the political subdivision's

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standard full-time work week, not including exercise hours; and

- D) Documentation of the emergency management services provided to the political subdivision by the ESDA, including, but not limited to, documentation of emergency operations plans, training, exercises, and actual responses, during a minimum of the past 5 years.
- b) For IEMA accreditation, eligible applicants, determined in accordance with subsection (a), shall satisfy all of the following requirements.
- 1) Submit a copy of the political subdivision ordinance creating the ESDA affixed with the official seal by the clerk of the political subdivision.
  - 2) Submit documentation of the ESDA coordinator's Notice of Appointment card.
  - 3) Submit the following:
    - A) For ESDA coordinators appointed prior to January 1, 2002, documentation that the ESDA Coordinator has biennially completed 48 hours of professional development training, of which a minimum of 24 hours is IEMA-sponsored professional development training. However, for the first accreditation review pursuant to this rulemaking, eligible applicants may submit documentation that the ESDA coordinator has, at any time prior to the first accreditation review pursuant to this rulemaking, completed the equivalent of 48 hours of professional development training. The IEMA-sponsored professional development training program shall, at a minimum, be consistent with and at least as stringent as the FEMA professional development series. Coordinators may receive credit for up to 24 hours of non-IEMA-sponsored professional development training, including, but not limited to, emergency management conferences, home study courses, college courses or internet courses, but only if such training is consistent with or at least as stringent as training in the IEMA-sponsored professional development training program and is pre-approved for a specific number of credit hours in writing by IEMA prior to the training.

- B) For ESDA coordinators appointed after January 1, 2002, documentation that:
- i) Within six months after the date of appointment, unless this time is extended by IEMA up to one year from the date of appointment, the ESDA coordinator has completed the IEMA New Coordinators Workshop Course and the Principles of Emergency Management Course or courses determined by IEMA to be consistent with or at least as stringent as these courses; and
  - ii) After the first year of appointment, the ESDA coordinator has biennially completed 48 hours of professional development training, of which a minimum

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of 24 hours is IEMA-sponsored professional development training. The IEMA-sponsored professional development training program shall, at a minimum, be consistent with and at least as stringent as the FEMA professional development series. Coordinators may receive credit for up to 24 hours of non-IEMA-sponsored professional development training, including, but not limited to, emergency management conferences, home study courses, college courses or internet courses, but only if such training is consistent with or at least as stringent as training in the IEMA-sponsored professional development training program and is pre-approved for a specific number of credit hours in writing by IEMA prior to the training.

- 4) Complete an EOP that meets the requirements of Subpart B of this Part.
  - 5) Submit documentation that IEMA has approved of the EOP in accordance with the review and approval provisions of Subpart C of this Part.
  - 6) Complete a Statement of Work for annual submission to and approval by IEMA.
  - 7) Conduct an exercise in accordance with the requirements of Subpart D of this Part.
  - 8) Submit documentation of final IEMA approval of the exercise conducted in accordance with the requirements of Subpart D of this Part.
  - 9) Submit a list of non-mandated ESDA EOPs, if any, reviewed by the county or multiple county ESDA in accordance with Section 301.320 of this Part.
  - 10) Submit a list of non-mandated ESDAs, if any, whose exercises and evaluations have been submitted to the county or multiple county ESDA in accordance with the requirements of Section 301.440 of this Part.
  - 11) Submit a list of non-mandated ESDAs, if any, certified by the county or multiple county ESDA in accordance with the requirements of Section 301.520 of this Part.
- c) The term of accreditation is two years, with beginning and ending dates indicated on the accreditation document issued by IEMA. Eligible ESDA applicants may seek accreditation renewal by satisfying the requirements of subsection (b).
- d) IEMA shall issue an accreditation document under signature of the IEMA Director.

## Section 301.520 Certification of Non-Mandated ESDAs

- a) Except for those non-mandated ESDAs accredited in accordance with Section 301.510 of this Part, non-mandated ESDAs may apply to an



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accredited county or multiple county ESDA serving the county in which the non-mandated ESDA is located, for certification, or to IEMA in the event that no accredited county or multiple county ESDA serves the county in which the non-mandated ESDA is located. Each accredited county or multiple county ESDA, or IEMA in the event that no accredited county or multiple county ESDA serves the county in which the non-mandated ESDA is located, may issue certification to non-mandated ESDAs located within its geographic boundaries, if the non-mandated ESDAs satisfy the following requirements:

- 1) Submit a copy of the political subdivision ordinance creating the ESDA affixed with the official seal by the clerk of the political subdivision.
- 2) Submit documentation of the ESDA coordinator's Notice of Appointment card.
- 3) Submit the following:
  - A) For ESDA coordinators appointed prior to January 1, 2002, documentation that the ESDA coordinator has biennially completed 48 hours of professional development training, of which a minimum of 24 hours is IEMA-sponsored professional development training. However, for the first accreditation review pursuant to this rulemaking, eligible applicants may submit documentation that the ESDA coordinator has, at any time prior to the first accreditation review pursuant to this rulemaking, completed the equivalent of 48 hours of professional development training. The IEMA-sponsored professional development training program shall, at a minimum, be consistent with and at least as stringent as the FEMA professional development series. Coordinators may receive credit for up to 24 hours of non-IEMA-sponsored professional development training, including, but not limited to, emergency management conferences, home study courses, college courses or internet courses, but only if such training is consistent with or at least as stringent as training in the IEMA-sponsored professional development training program and is pre-approved for a specific number of credit hours in writing by IEMA prior to the training.
  - B) For ESDA coordinators appointed after January 1, 2002, documentation that:
    - i) Within six months after the date of appointment, unless this time is extended by IEMA up to one year from the date of appointment, the ESDA coordinator has completed the IEMA New Coordinators Workshop Course and the Principles of Emergency Management Course or courses determined by IEMA to be consistent with or at least as stringent as these courses; and
    - ii) After the first year of appointment, the ESDA coordinator has biennially completed 48 hours of professional development training, of which a minimum

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of 24 hours is IEMA-sponsored professional development training. The IEMA-sponsored professional development training program shall, at a minimum, be consistent with and at least as stringent as the FEMA professional development series. Coordinators may receive credit for up to 24 hours of non-IEMA-sponsored professional development training, including, but not limited to, emergency management conferences, home study courses, college courses or internet courses, but only if such training is consistent with or at least as stringent as training in the IEMA-sponsored professional development training program and is pre-approved for a specific number of credit hours in writing by IEMA prior to the training.

- 4) Complete an EOP that meets the requirements of Subpart B of this Part that is reviewed and accepted by the county or multiple county ESDA in accordance with Section 301.320 of this Part.
- 5) Complete a Statement of Work for annual submission to the county or multiple county ESDA.
- 6) Conduct an exercise and evaluation that meets the requirements of Subpart D of this Part that is accepted by the county or multiple county ESDA in accordance with Section 301.440 of this Part.
  - b) IEMA shall annually review a random sample of at least one certification but no less than 10 percent of certifications issued by accredited county or multiple county ESDAs in each county that has certified a non-mandated ESDA pursuant to subsection (a) for compliance with the requirements stated and to ensure consistency of certification reviews statewide.
  - c) The certification term is two years with beginning and ending dates indicated on the certificate issued by the accredited county or multiple county ESDA under signature of the accredited county or multiple county ESDA and IEMA. The non-mandated ESDA may seek renewal of its certification.

SUBPART F: WORKERS' COMPENSATION ACT  
AND WORKERS' OCCUPATIONAL DISEASES ACT COVERAGE FOR VOLUNTEERS

## Section 301.610 Authority

Pursuant to Section 10(k) of the Act, benefits under the Workers' Compensation Act [820 ILCS 305] and Workers' Occupational Diseases Act [820 ILCS 310] are available in limited circumstances for the purpose of encouraging volunteerism during disaster response, disaster exercises, training related to the EOP or specific search-and-rescue team responses, subject to the requirements or conditions set forth in this Subpart.

## Section 301.620 Eligibility

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Only a volunteer meeting all of the following requirements is eligible for coverage under the Workers' Compensation Act or Workers' Occupational Diseases Act:

- a) Volunteer, age 18 and above, of IEMA or of an ESDA accredited pursuant to Section 301.510 of this Part;
- b) Volunteer not compensated by IEMA or the ESDA for which he/she is volunteering;
- c) Fully qualified through appointment by IEMA or the ESDA to perform disaster response functions consistent with the IEMA Act and the political subdivision's ESDA ordinance;
- d) Enrolled (sworn in) in accordance with Section 20 of the Act; and
- e) Suffering disease, injury or death while participating in a disaster response, disaster exercise, training related to the EOP of the political subdivision, or a search-and-rescue team response to an occurrence or threat of injury or loss of life that is beyond local response capabilities, if:

1) For disaster response:

- A) IEMA is notified at the time of disaster response by contacting the IEMA Communications Center at 1-800-782-7860; and
- B) The coverage request, on a form prescribed by IEMA, is received by IEMA within 10 calendar days after the disaster response.

2) For a disaster exercise or training related to the EOP of the political subdivision, the event is planned and:

- A) The event is specifically and expressly pre-approved in writing by IEMA for a specific date; and
- B) The coverage request, on a form prescribed by IEMA, is received by IEMA at least 5 days, but not more than 30 days, in advance of the planned event.

3) For a search-and-rescue team response:

- A) The search-and-rescue team response is to an occurrence or threat of injury or loss of life that is beyond local response capabilities;
- B) The search-and-rescue team response is specifically and expressly requested by IEMA or by the ESDA that appointed and enrolled the search-and-rescue team volunteer and is specifically and expressly approved by IEMA prior to the search-and-rescue team response. The Director of IEMA shall determine the termination of the approval period. IEMA shall document its approval and termination on a form prescribed by IEMA; and
- C) Each search-and-rescue team volunteer used in the response has completed training appropriate to the function he or she performs during the search-and-rescue team response.

## Section 301.630 Procedures for Filing A Claim

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a) To request coverage for a volunteer under the Workers' Compensation Act or the Workers' Occupational Diseases Act, the accredited ESDA that appointed and enrolled the volunteer shall submit to IEMA, in a timely manner, all of the following:

- 1) Evidence that the notification or pre-approval requirements of Section 301.620(e) of this Part have been satisfied for the disaster response, disaster exercise, training, or search-and-rescue team response;
  - 2) A Workers' Compensation Coverage Request, on a form prescribed by IEMA, signed by the ESDA coordinator;
  - 3) A written copy of the sworn oath taken by the volunteer in accordance with Section 20 of the Act, signed and dated by the volunteer;
  - 4) A supervisor's report of injury or illness, on a form prescribed by the Illinois Department of Central Management Services (CMS);
  - 5) The workers' compensation employee's notice of injury, on a form prescribed by CMS;
  - 6) The workers' compensation witness report, on a form prescribed by CMS;
  - 7) A workers' compensation medical report on a form prescribed by CMS; and
  - 8) An Information Release Authorization on a form prescribed by CMS.
- Completed claims shall be forwarded from IEMA to the Illinois Department of Central Management Services for processing in accordance with requirements of the Workers' Compensation Act and the Workers' Occupational Diseases Act and rules promulgated thereunder.

SUBPART G: REQUIREMENTS FOR THE EMERGENCY MANAGEMENT ASSISTANCE GRANT PROGRAM

## Section 301.710 Purpose

IEMA administers the Emergency Management Assistance (EMA) grant program using federal funds to aid in the administration of effective emergency management in the political subdivisions. Through the program grantees may receive contributions of up to 50 percent of the political subdivision's necessary and essential emergency preparedness ESDA personnel and administrative expenses.

## Section 301.720 Eligible Applicants

ESDAs accredited by IEMA pursuant to Section 301.510 of this Part are eligible to apply for EMA grant funds.

## Section 301.730 Application Procedures

- a) Applicants seeking EMA grant funds shall annually, by August 31, submit to IEMA a completed EMA application packet, in the format prescribed by IEMA, which includes the following:



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- 1) Documentation of current IEWA accreditation to satisfy the eligibility requirement stated in Section 301.720;
  - 2) A completed application form, as prescribed by IEWA, that includes the budget of the applicant's EMA eligible personnel and administrative expenses for the federal fiscal year beginning October 1; and
  - 3) The requested grant amount.
- b) IEWA shall notify applicants of their EMA grant program acceptance or rejection by September 30. Accepted applicants are grantees.
- c) Grantees for the EMA grant program shall enter into a Grant Agreement with IEWA setting forth the terms of the grant, including the grantee's agreement to satisfy all grant related assurances and certifications required by the State of Illinois and by the United States Government.

## Section 301.740 Allocation Determination

- a) The Director of IEWA shall annually determine the amount of funding available for the EMA grant program prior to the award of any grants, based on the level of funding provided by FEMA. Such amount shall be allocated annually to EMA grantees by IEWA, on a federal fiscal year basis, up to 50 percent of the grantee's political subdivision's eligible EMA expenses, in accordance with the requirements of this Section.

- b) To assist ESDAs in accomplishing the basic preparedness requirements of the Act (ESDA coordinators' organization, administration, training, and operation of the ESDA and ESDA development and exercise of the EOP, exclusive of contractor fees), the following EMA fund allocations shall be made:

- 1) Basic Amount. A basic amount of funding, as established annually by the Director of IEWA, shall annually be allocated equally among all EMA grantees who have met the requirements of Section 301.720 and 301.730 of this Part on or before October 1. However, if a grantee's Basic Amount allocation exceeds the amount requested in the grantee's EMA application, the EMA application amount shall be used as the Basic Amount allocation for such grantee.

- 2) Population Share. 50 percent of the total EMA grant amount remaining, after the final allocations in subsection (b)(1) of this Section have been made, shall annually be allocated among all EMA grantees who have met the requirements of Section 301.720 and 301.730 of this Part on or before October 1 and who have requested an eligible grant amount in excess of the Basic Amount allocation, on a per capita basis according to the most recent census data available through the Illinois Secretary of State's office or, if unavailable, through the U.S. Department of Commerce, Bureau of the Census. EMA grantees whose geographic borders encompass another EMA grantee's jurisdiction shall have

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their per capita figures reduced accordingly. If a grantee's Basic Amount allocation plus Population allocation exceeds the total amount requested in the grantee's EMA application, the EMA application amount shall be used as the final allocation for that grantee.

- c) Additional Program Needs -- The total EMA grant amount remaining, after the allocations in subsection (b) of this Section have been made, shall annually be allocated for ESDA Additional Program Needs. This amount shall be completely allocated among all EMA grantees who have met the requirements of Section 301.720 and 301.730 of this Part on or before October 1 and have requested an eligible grant amount in excess of the Basic Amount plus Population allocation, on a per capita basis according to the most recent census data available through the Illinois Secretary of State's office or, if unavailable, through the U.S. Department of Commerce, Bureau of the Census. EMA grantees whose geographic borders encompass another EMA grantee's jurisdiction shall have their per capita figures reduced accordingly. However, for an Additional Program Needs allocation, the EMA grantee shall, on or before October 1, present documentation justifying the additional needs request for necessary and essential local emergency preparedness ESDA personnel and administrative purposes including, but not limited to:

- 1) Additional exercises beyond the biennial EOP exercise;
  - 2) Personnel costs beyond those required for basic preparedness;
  - 3) Mitigation planning and awareness; and
  - 4) Emergency management public awareness efforts.
- d) If the grantee's allocation amount calculated under this Section exceeds the amount requested in the EMA application, the EMA application amount shall be used as the final EMA grant amount.
- e) IEWA shall monitor the expenditure of allocated EMA funds throughout the FFY and may, prior to the end of the FFY, reallocate unobligated funds, among all EMA grantees who have met the requirements of Section 301.720 and 301.730 of this Part and who have requested an eligible grant amount in excess of the allocation determined in accordance with subsections (b) and (c) of this Section, on a per capita basis according to the most recent census data available through the Illinois Secretary of State's office or, if unavailable, through the U.S. Department of Commerce, Bureau of the Census. EMA grantees whose geographic borders encompass another EMA grantee's jurisdiction shall have their per capita figures reduced accordingly.

## Section 301.750 Reimbursement Procedures

- a) Reimbursement for eligible expenses is available to grantees up to the amount of the grantee's annual EMA grant amount determined in accordance with Section 301.740 of this Part. However, reimbursements under the EMA grant program shall not exceed 50 percent of the dollar amount spent on the requested reimbursement by the grantee's political

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subdivision. Prior approval from IEMA is required for requested reimbursement expenses not included in the political subdivision budget submitted in the grantee's original EMA application pursuant to Section 301.730.

b) Eligible expenses for reimbursement are reasonable expenses in the categories listed on the Eligible Expenses form prescribed by IEMA as eligible expenses, and any other reasonable expenses approved by IEMA through the application and allocation process of this Subpart. However, none of the ineligible expenses on the Ineligible Expense form prescribed by IEMA are reimbursable.

c) Grantees who have a signed EMA grant agreement with IEMA may apply to IEMA for reimbursement of eligible expenses on a quarterly basis by submitting to IEMA, no later than 30 calendar days after the last day of the preceding quarter, the following:

1) A list and documentation of incurred expenses for which reimbursement is being requested on the form prescribed by IEMA. IEMA may request additional documentation to validate the claim.

2) A narrative quarterly report describing the ESDA's specific actions accomplished during the quarter for which reimbursement is being requested.

d) IEMA may deny a reimbursement request if the grantee fails to comply with any of the requirements of this Subpart. If denying a reimbursement request, IEMA shall issue a denial letter within 15 days after receipt of the reimbursement request.

## Section 301.760 Reconsideration of Reimbursement Denial

a) A grantee may request reconsideration of a reimbursement denial by sending a written reconsideration request to the IEMA manager of the EMA grant program within 15 days after receipt of written notice of the reimbursement denial. The reconsideration request shall include:

1) Specific identification of the item or submission for which reimbursement was denied;

2) The basis for the requested reconsideration; and

3) Documentation or exhibits to support the requested reconsideration.

b) Upon receipt of the reconsideration request, the manager of the EMA grant program shall review the original decision, the reconsideration request and all relevant documentation or exhibits. The manager of the EMA grant program shall notify the grantee in writing of his or her reconsideration decision and rationale within 10 days after receipt of the reconsideration request.

c) If the grantee seeks further review of the reimbursement decision, the grantee may request a final reconsideration by the Director of IEMA by sending a written reconsideration request to the Director of IEMA within 15 days after receipt of the EMA manager's decision in subsection (b). The Director shall issue a final reimbursement decision within 10 days after receipt of the final reconsideration

request.

d) Notwithstanding the time frames set forth in this Section, if a reconsideration request received by IEMA in accordance with the time frames established in this Section has not reached final resolution by December 15 following the end of the federal fiscal year, the reimbursement shall be granted.





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NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Local Government Health Plan

2) Code Citation: 80 Ill. Adm. Code 2160

Section Numbers:	Adopted Action:
2160.130	Amend
2160.210	Amend
2160.220	Amend
2160.230	Amend
2160.240	Amend
2160.250	Amend
2160.260	Amend
2160.310	Amend
2160.320	Amend
2160.325	Amend
2160.330	Amend
2160.410	Amend
2160.420	Amend
2160.510	Amend
2160.520	Amend
2160.610	Amend
2160.620	Amend
2160.710	Amend
2160.720	Amend

4) Statutory Authority: Implementing and authorized by Sections 10, 13 and 15 of the State Employees Group Insurance Act of 1971 [5 ILCS 375/10, 13 and 15]

5) Effective Date of Rulemaking: August 3, 2001

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rulemaking contain incorporations by reference? No

8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.

9) Notice of Proposal Published in Illinois Register: February 23, 2001, 25 Ill. Reg. 2941

10) Has JCAR issued a Statement of Objection to these amendments? No

11) Differences between proposal and final version: Section 2160.130 - rewrote the definition of "Unit" to include Qualified Domestic Violence Shelter or Service or Qualified Rehabilitation Facility.

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Section 2160.610(a) - added statutory cite.

Section 2160.620(b)(1) - changed "such programs" to "the plan".

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? No

15) Summary and Purpose of Rulemaking: These amendments update and revise this Part based on changes required by Public Acts 89-502, 91-390, and 91-617. Every fiscal year, the Department makes policy changes to conform to insurance industry standards.

16) Information and questions regarding these adopted amendments shall be directed to:

Stephen W. Seiple  
720 Stratton Office Building  
Springfield IL 62706  
(217) 782-9669

The full text of the adopted amendments begins on the next page:



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## TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES

## SUBTITLE F: EMPLOYEE INSURANCE

## CHAPTER I: DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

## PART 2160

## LOCAL GOVERNMENT HEALTH PLAN

## SUBPART A: PURPOSE AND DEFINITIONS

Section  
2160.110 Name of the Program  
2160.120 Purpose  
2160.130 Definitions

## SUBPART B: RESPONSIBILITIES OF THE DEPARTMENT

Section  
2160.210 Determining Eligibility of Groups  
2160.220 Enrollments and Terminations  
2160.230 Rate Setting  
2160.240 Premium Collection and Billing  
2160.250 Other Administrative Responsibilities  
2160.260<sup>325</sup> Program Termination

## SUBPART C: RESPONSIBILITIES OF LOCAL GOVERNMENT UNITS AND QUALIFIED-REHABILITATION-FACILITIES

Section  
2160.310 Enrollment Responsibilities  
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2160.325 Program Termination (Renumbered)  
2160.330 Signing the Agreement

## SUBPART D: RESPONSIBILITIES OF LOCAL GOVERNMENT HEALTH PLAN REPRESENTATIVES

Section  
2160.410 The Health Plan Representatives  
2160.420 Appeals Process Responsibilities

## SUBPART E: RESPONSIBILITIES OF THE ADVISORY BOARD

Section  
2160.510 Appointment of Advisors  
2160.520 Responsibilities of the Board

## SUBPART F: FUNDING

## DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

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Section  
2160.610 Local Government Health Insurance Reserve Fund  
2160.620 Premium Rate Structure

## SUBPART G: HEALTH CARE COVERAGE

Section  
2160.710 Local Government Health Plan  
2160.720 Health Care Coverage

AUTHORITY: Implementing and authorized by Sections 10, 13 and 15 of the State Employees Group Insurance Act of 1971 [5 ILCS 375/10, 13 and 15].

SOURCE: Adopted at 14 Ill. Reg. 14343, effective August 22, 1990; amended at 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

## SUBPART A: PURPOSE AND DEFINITIONS

## Section 2160.130 Definitions

Whenever used in these rules, the following terms shall have the meanings set forth below unless otherwise expressly provided, and when the defined meaning is intended, the term is capitalized.

"Act" means the State Employees Group Insurance Act of 1971, as amended, (Ill. Rev. Stat., ch. 127, pars. 521--et seq.) [5 ILCS 375].

"Administrative Service Organization" means any person, firm or corporation the Department has contracted with to administer the program.

"Annuitant" means any former Employee, as defined in this Section herein, who has retired from a Unit or Facility and is receiving an annuity from an Illinois Public Pension System or another from--a pension plan as a result of services to the of--such-a Unit or Facility.

"Benefit Choice Period" means the annual election period, designated by the Department, during which Units may add or drop coverage for Annuitants, Dependents or Survivors; and Members may add or drop Dependents from coverage and select coverage from available plans offered.

"Compensation" means salary or wages paid by a Unit or Facility to an Employee for personal services currently performed.

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"Department" means the Illinois Department of Central Management Services.

"Dependent", when the term is used in the context of this Part, means any person participating in the Program as a non-Member.

"Director" means the Director of the Illinois Department of Central Management Services.

"Employee" means and includes an elected government official or a each person in the service of a Unit or Facility in the State of Illinois who receives Compensation through the regular payroll for work currently performed and receives benefits comparable to others in the same Unit, for work currently performed.

"Facility" means and includes a Qualified Rehabilitation Facility or a Qualified Domestic Violence Shelter or Service.

"Fiscal Year" means the State's fiscal year from July 1 through June 30.

"Fund" means the Local Government Health Insurance Reserve Fund.

"Group--Re-Enrollment--Period" means the annual election period designated by the Department, during which Units and Facilities may add or drop coverage for Annuitants and change the type of Dependent coverage offered to their Employees--Survivors or Annuitants--and Members--may select coverage from available plans offered.

"Health Plan Representative" means an individual from Employee of a Unit or Facility who serves in the capacity of a liaison through whom the Department shall conduct all business necessary to provide health benefits to that Unit or Facility.

"Member" means an Employee, Annuitant or Survivor.

"Plan" means the Local Government Health Plan.

"Pre-Existing Condition" means any disease, injury or condition, excluding including maternity, for which the individual was diagnosed, received treatment/services, or took prescribed drugs during the three (3) months immediately preceding the effective date of coverage under the Program.

"Program" means a self-insured health benefits program, as authorized by the State Employees Group Insurance Act of 1971, or health maintenance organization--HMO, plan offered by the State of Illinois to Units and Facilities. The coverage offered to Units and Facilities

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is similar identified to that offered to employees of the State of Illinois under the Program.

"Qualified Domestic Violence Shelter or Service" or "Shelter" means any Illinois domestic violence shelter or service and administration offices funded by the Illinois Department of Public Aid that has been approved by the Director to participate in the Plan.

"Qualified--Rehabilitation--Facility" or "Facility" means any not-for-profit organization that is accredited by the Commission on Accreditation--of--Rehabilitation--Facilities or certified by the Department of Mental Health and Developmental Disabilities to provide services to persons with disabilities and which receives funds from the State of Illinois for providing these services.

"Unit" means a "Qualified Unit of Local Government", a Qualified Domestic Violence Shelter or Service or a "Qualified Rehabilitation Facility" as defined in the State Employees Group Insurance Act of 1971, or "Unit" means any county, municipality, township, school district, special district or any other unit designated as a unit of local government by law, including any not-for-profit association with a membership that primarily includes townships and township officials that has duties that include provision of research service dissemination of information and other acts for the purpose of improving township government and that is funded wholly or partly in accordance with Section 13-19 of the Township Law of 1874 and the Illinois Association of Park Districts that has been approved by the Director for enrollment in the Plan.

"Survivor" means a person who is receiving an annuity from the Unit's retirement plan as a survivor of an a surviving Dependent of a person who satisfies the definition of Employee or Annuitant.

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## SUBPART B: RESPONSIBILITIES OF THE DEPARTMENT

## Section 2160.210 Determining Eligibility of Groups

a) A Unit must be approved by the Director for participation in the Program.

1) The Director shall grant eligibility for a Unit if the Unit meets the definition in the Act and agrees to the conditions specified in this Part.

2) The Department shall not approve a Unit for participation if the Unit has withdrawn from the Program program during the term of an agreement within the previous five Fiscal Years, except that a



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Unit may terminate effective at the end of the first Fiscal Year without penalty if the second Fiscal Year premium rate is 20% greater than the first Fiscal Year.

- b) The Department shall grant eligibility to a Qualified Rehabilitation Facility if the facility:

- 1) meets the definition in the Act; and
  - 2) agrees to the conditions specified in this Part; and
  - 3) has a not-for-profit status and has filed an Annual Report of Charitable Organization with the Secretary of State; and
  - 4) is accredited by the Commission on Accreditation of Rehabilitation Facilities to provide services to persons with disabilities or certified by the Department of Human Services; ~~Mental-Health-and-Developmental-Disabilities~~; and
  - 5) receives funds from the Department of Human Services ~~State-of-Illinois~~ for providing services to persons with disabilities; and
  - 6) has not withdrawn from the program during the term of an agreement within the previous five Fiscal Years.
- c) The Department shall grant eligibility to a Qualified Domestic Violence Shelter or Service if the facility:
- 1) meets the definition in the Act;
  - 2) agrees to the conditions specified in this Part;
  - 3) is funded by the Illinois Department of Human Services Public Aid; and
  - 4) has not withdrawn from the Program during the term of an agreement within the previous 5 Fiscal Years five--fiscal--years, except as provided in subsection (a)(2).

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## Section 2160.220 Enrollments and Terminations

The Department shall enroll and terminate Members and their Dependents after notification in the form and manner prescribed by the Department.

- a) The Department shall provide notification to the Unit or Facility that the enrollment or termination has been completed.
- b) The Department shall furnish the Units and Facilities with forms to submit to the Department for enrollment and termination of Members.

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## Section 2160.230 Rate Setting

- a) The Department will be responsible for setting rates at least 60 days prior to the start of the Fiscal Year except in the event that State union negotiations prevent the rates from being finalized.

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- b) The Department shall not change rates during a Fiscal Year. The methodology for rate setting is described in Section 2160.620.

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## Section 2160.240 Premium Collection and Billing

- a) The Department shall generate a billing statement for each Unit and Facility participating in the Program on or before the end of each month. This billing statement shall represent the total amount due from the Unit or Facility for the following month's coverage.

- b) Membership changes not previously billed--and--paid received on or before the 20th twentieth of each the-billing month shall be reflected in the following month's billing statement.

- 1) Prior month changes shall also appear on the billing and be reflected in the total amount due.
- 2) In cases of administrative errors on the part of the Unit or Facility, or when the Member does not provide information to the Unit, or Facility--concerning--the--dropping--of--a--Dependent--at--the--time--the--Dependent--no--longer--qualifies--as--a--Dependent--under--the--Plan, a retroactive premium adjustment refund shall be made. Retroactive premium adjustments refund shall be made contingent upon the Department recovering any health care expenses that may have been paid because the Program was not timely notified. On behalf--of--the--Dependent--who--no--longer--qualifies--for--coverage--Retroactive premium refund adjustments shall not exceed 3 three months.

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## Section 2160.250 Other Administrative Responsibilities

- a) The Department shall offer an annual Benefits Choice Period for Group Re-Enrollment--pert-to--allow Units and Facilities to:

- 1) add or drop coverage for Annuitants as a group; and
- 2) allow Members to add or drop change--the--type--of Dependent coverage; offered--to--their--Members.

- 3) allow Members to change health plans.

- b) The Department shall provide information to the Units and Facilities about the benefits and requirements of the Program program in the Local Government Health Plan Member Handbook and the annual Benefit Choice Options booklet.

- c) The Department shall prepare and distribute an administrative procedures manual with periodic updates for the Health Plan Representatives designated by the Units and Facilities.

- d) The Department will provide training seminars for Health Plan

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Representatives designated by the Units ~~and Facilities~~.

- e) The Department shall establish an advisory board. The responsibilities of the Board ~~board~~ are described in Section 2160.520.
- f) The Department shall establish formal appeal procedures to be followed when the Member is dissatisfied with the benefit determination made by the Administrative Service Organizations ~~Organization~~ as described in Section 2160.420. ~~Members-if-represented-by-a-certified-bargaining agent--shall-be-advised-of-the-right-to-have-a-Union-Representative present-when-they-are-scheduled-for-an-advisory-board-appeal.~~
- g) The Department shall notify the designated Health Plan Representatives of the Administrative Service Organizations ~~Organization~~ being used and the address and forms needed to submit claims to the Administrative Service Organizations ~~Organization~~.
- h) The Department shall audit records of participating Units ~~and Facilities~~, such as payroll information, to verify enrollment and enforce eligibility rules under the Plan.

(Source: Amended at 25 Ill. Reg. 10306, effective \_\_\_\_\_)

## Section 2160.250325 Program Termination

- a) Grounds for program termination by the Department include, but are not limited to:
- 1) any material breach of the Intergovernmental Cooperation Agreement;
  - 2) failure to pay the full monthly premium by the last day of the coverage month;
  - 3) non-compliance with enrollment responsibilities in accordance with Section 2160.310; or
  - 4) failure to meet the eligibility requirements of a ~~Qualified Unit of--Local--Government,--Qualified-Rehabilitation--Facility--or~~ ~~Qualified-Domestic-Violence-Shelter-or-Service~~ ~~Facility~~.
- b) The Department shall issue one notice of termination. Termination shall be effective 15 days after notice of termination.
- c) Once termination occurs, the Unit ~~or-Facility~~ shall not be permitted to enroll in the Program ~~program~~ for a period of 5 five years.
- d) Coverage terminates on the last day for which premium has been paid.

(Source: Section 2160.260, renumbered from Section 2160.325 and amended at 25 Ill. Reg. 10306, effective 4/6/2001)

## SUBPART C: RESPONSIBILITIES OF LOCAL GOVERNMENT UNITS AND QUALIFIED-REHABILITATION-FACILITIES

## Section 2160.310 Enrollment Responsibilities

- a) Any Unit ~~or-Facility~~ within the State of Illinois interested in the

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Program may apply to the Director to have its Employees provided group health coverage under the this Act. Annuitants, Survivors and Dependents may also be offered coverage.

- b) To participate, Units ~~and-Facilities~~ must agree to enroll all Employees, except as provided in subsection (b)(5), who may select coverage under either the self-insured indemnity health plan or a managed care plan that has contracted with the State, with the costs paid by the Unit, at least 85% of the full-time-Employees-of-the-Unit ~~or-Facility-as-Members, with-the-costs-paid-by-the-Unit-or-Facility~~ its Members or some combination of both as determined by the Unit, or ~~Facility-with-the-costs-paid-by-Unit-or-facility--its--Employees--or some-combination-of-the-two-as-determined-by-the-Unit-or-Facility.~~

- 1) Employees must be employed at least half of the normal work period as measured on a yearly basis, or meet the standard for participation in the Illinois Municipal Retirement Fund, except that elected government officials employed by the Units ~~and Facilities~~ have the option to participate in the Plan, regardless of the number of hours worked.

- 2) Employees, other than elected government officials, must receive Compensation through the regular payroll process from the Unit ~~or Facility.~~

- 3) Units ~~and-Facilities~~ may permit Employees who work 50% to 90% of the Unit's ~~or--Facility's~~ normal work period, to individually enroll as Members under the plan.

- 4) Employees who work 90% or more of the Unit's ~~or-Facility's~~ normal work period must be enrolled as Members in the Plan, except as provided in subsection (b)(5).

- 5) A full-time Employee of a participating Unit who is covered under this or another group plan may elect to waive coverage, as long as an official from the Unit attests to this other coverage and at least 85% of the full-time Employees of the Unit are covered. A participating school district must have enrolled at least 85% of its full-time Employees who have not waived coverage under the district's group health plan by participating in a component of the district's cafeteria plan. A participating school district is not required to enroll a full-time Employee who has waived coverage under the district's health plan, provided that an appropriate official from the participating school district attests that the full-time Employee has waived coverage by participating in a component of the district's cafeteria plan. For the purposes of this subsection (b)(5), "participating school district" includes school districts and career, vocational and special education school districts.

- 5) Units ~~shall-not-be-required-to-enroll-those-of-its-employees--who are--covered--spouses--or--dependents--under-this-plan--or--another group-policy--or--plan-providing-health-benefits-provided.~~

†) an appropriate official from the Unit ~~or-Facility~~ attests that each employee not enrolled is a covered



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~~spouse-or-dependent-under-this-plan-or--another--group policy-or-plan--and at-least--85%--of--the-Employees-are-enrolled-and-the Unit-or-Facility-remits-the-entire-cost-of--providing coverage-to-those-employees.~~

- 6) Employees of a participating Unit ~~or--Facility~~ who are not enrolled due to coverage under another group health policy or plan may enroll during the annual Benefit Choice period or at a later date if the Employee experiences a qualifying change in status. This coverage is subject to possible health benefit limitations based on Pre-Existing Conditions. ~~at-a-later--date subject-to--submission--of-satisfactory-evidence-of-insurability and-provided-that No benefits shall be payable for services incurred during the first 6 months of coverage to the extent the services are in connection with any Pre-Existing Condition. The Pre-Existing Condition time period may be reduced by the amount of creditable coverage Members or Dependents may have had with another insurance plan prior to enrollment, provided there was not a break in coverage of more than 63 days. A Certificate of Creditable Coverage from the prior plan must be provided to the employing Unit to reduce the Pre-Existing Condition time period.~~

## c) Units and Facilities may also elect to cover their Annuitants.

- 1) Units and Facilities that which elect to cover their Annuitants must shall allow Employees at the time of retiring the option to individually enroll in the Program. The option shall only be offered once to Annuitants.

- 2) Individual Annuitants terminating from the Program shall not be allowed to participate in the Program in the future.

- 3) At the any time of the initial enrollment only, Units and Facilities may elect to also cover current Annuitants as a group. During the annual Benefit Choice Period, Units may add or drop Annuitants as a group. If a Unit--or--Facility--elects--to--cover Annuitants--then-the-Units--and-Facilities--active-Employees--must be-given-the-option-to-continue-coverage-upon-retirement.

- d) Units may offer and Facilities shall either provide Dependent coverage, or offer such coverage on an optional basis. If a Unit--or Facility--offers--Dependent-coverage-on-an-optional-basis--the-Unit--or Facility--shall-make-available-high-option-only-or-both--high--and--low options--for-Dependent-coverage--"High-Option"--means-the-higher-of-two levels-of-Dependent-coverage-available-under-the-Program--High-Option requires--the--same-deductible-and-co-payment-levels-as-the-low-Option but-limits-out-of-pocket-expenses--has--unlimited--contract--year--and lifetime-benefit--maximums--"Low-Option"--means-one-of-two-levels-of Dependent-coverage-available-under-the-Program--"Low-Option"--requires the-same-deductibles-and-co-payment-levels-as-the-High-Option-but-does not--provide--comprehensive-coverage--for--inpatient-hospitalization--there-is-a-limitation-on-benefits-for-room-and-board--charges--and--no limits-on-out-of-pocket-expenses-with-a-\$250,000-contract-year-benefit

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## maximum.

- e) Units and Facilities may enroll under the Program at the start of any month beginning July 1, 1990.

1) The Units and Facilities must give the Department at least 60 sixty days advance written notice before enrollment.

- 2) A Unit or Facility may enroll for part of the State's Fiscal year. If a Unit or Facility has been enrolled in the Program for a partial State Fiscal Year, the Unit or Facility must begin the second year on July 1 to coincide with the State's Fiscal Year that which is also the new plan rate year.

- f) Units and Facilities will inform Members of the following responsibilities. Plan Members must:

1) choose-from-coverages-available;

2) choose-Dependent-health-care-options;

3) be responsible for notifying the Health Plan Representative of coverage options chosen, and any changes that may affect eligibility or enrollment.

4) be responsible for reviewing the Local Government Health Plan Member Handbook describing coverages health-care-coverage, eligibility, termination and claims submission requirements.

- g) Units that and Facilities which enroll in the Program shall designate a person to be the Health Plan Representative. The responsibilities of the Health Plan Representative are described in Section 2160.410.

h) If the Unit or Facility exempts Members' premiums from taxes, in compliance with Section 125 of the Internal Revenue Code (26 USC U.S.C. 125), the Unit or Facility must comply with Internal Revenue Code requirements that which prohibit changes in the Member deduction during the Fiscal Year unless the Member has a change in family status.

- i) Units and Facilities do not limit their duty to bargain with representatives of any collective bargaining unit of their Employees through participation in the Program program.

j) Compliance with the continuation of benefits requirements of the federal Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA) is the responsibility of the Unit or Facility. All premiums must be collected and transmitted terminated by the Unit or Facility.

(Source: Amended at 25 Ill. Reg. 10306, effective )

## Section 2160.320 Premium Collection and Payment

The Unit or Facility shall be responsible for the collection and transmission of Member and Dependent premiums.

- a) For the first month's premium only, the Department must receive the premium by the first day of coverage. This premium is non-refundable if the Unit or Facility does not enroll.

b) For the subsequent months, the total amount due as specified in the

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billing statement, which includes the combined amount due from Members, Dependents and the Unit, or Facility shall be paid in full by the 20th last calendar day of the month the billing is received.

- c) Payments not received by the last day of the coverage month shall be considered delinquent and shall result in the suspension of payment of claims for services provided. Payment of claims shall be withheld until the Department receives the full monthly premium due.

(Source: Amended at 25 Ill. Reg. 10306, effective 1/1/77)

## Section 2160.325 Program Termination (Renumbered)

(Source: Section 2160.325 renumbered to Section 2160.260 at 25 Ill. Reg. 10306, effective 1/1/77)

## Section 2160.330 Signing the Agreement

Units and Facilities must sign an agreement with the Department.

- a) The first agreement shall cover the actual period the Unit or Facility is enrolled between July 1 through June 30 of the first Fiscal Year and through the end of the second Fiscal Year.
- b) Subsequent agreements shall be effective for 2 two State Fiscal Years.
- c) The agreement shall be prepared by the Department and shall contain the premium rates to be charged during the first Fiscal Year.

(Source: Amended at 25 Ill. Reg. 10306, effective 1/1/77)

SUBPART D: RESPONSIBILITIES OF LOCAL GOVERNMENT  
HEALTH PLAN REPRESENTATIVES

## Section 2160.410 The Health Plan Representatives

- a) The Health Plan Representative shall be an Employee of the Unit or Facility designated by the Unit or Facility to perform the duties described in this Subpart.

b) The Health Plan Representatives Representative shall:

- a) enroll Members and their Dependents; and
- b) provide enrollment, and termination and change in status information to the Department on enrollment and change forms provided by the Department; and

- c) provide coverage, enrollment and termination information to Members in accordance with the time schedules set by the Department as described in the Local Government Health Plan Member Handbook; and report to the Department all enrollments on the Enrollment Application and all terminations on the Local Government Health Plan Change/Verification

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Change Form. Enrollments/terminations received in the Department by the 20th of the month will be processed and reflected on the next month's billing statement. The Unit or Facility will receive documentation of the transaction being processed through a Change/Verification Change Form.

- d) disseminate to Members information regarding benefits available under the program, changes and/or additions to the program, and any materials provided by the Department. ensure that the dependent Statement of Health form is completed properly and submitted to the Administrative Service Organization when required for enrollment.

(Source: Amended at 25 Ill. Reg. 10306, effective 1/1/77)

## Section 2160.420 Appeals Process Responsibilities

The Health Plan Representative or Member shall be responsible for handling appeals concerning claims payments.

- a) All correspondence concerning appeals must indicate the Unit or Facility in which the Member is enrolled in the program.
- b) If a Member believes that an error has been made in the benefit amount allowed or disallowed, the Health Plan Representative or Member should contact the claims processing office of the managed care plan or the Administrative Service Organization. The member must utilize the Plan or the Administrator's review process to the fullest extent prior to contacting the Department.

- c) If the Member is not satisfied with the results of the review process his/her claim determination by the managed care plan or Administrative Service Organization, the Health Plan Representative or Member may submit a written request for review to by the Department.

- d) If the Member is still not satisfied, the Member may appeal to the Advisory Board, which serves as the appeal committee. The Advisory Board will review the documentation and facts presented in the final determination and make a recommendation to the Director, whose decision shall be final and binding on all parties. Notification of the decision will be made in writing.

- e) If after the Department review the Member is not satisfied with the results of his/her claims determination, the Health Plan Representative or Member may submit a written request for review to the Advisory Board, described in Section 2160.510. The Member, if represented by a certified bargaining agent, may have a Union Representative present for advisory board appeals as a non-voting participant.

- f) Based on its review, the Advisory Board will make a recommendation to the Director whose decision shall be final and binding on all parties. The Advisory Board's recommendation and the Director's decision will be based on a determination of whether the claim is for services covered under the program. Factors considered by the Board



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- a) The Director shall establish the Local Government Health Insurance Reserve Fund [5 ILCS 275/10(i)]. This Fund shall be a continuing Fund not subject to Fiscal Year limitations.
- b) Monthly premium payments by Units and Facilities for group health coverage shall be deposited in this Fund. Monthly premium payments by Units and Facilities shall be the sole source of funds.
- c) All expenditures from this Fund shall be used for payments of Members' health care benefits and to reimburse the Department, and its Administrative Service Organizations and Insurers Organization for all expenses incurred in the administration of the Plan. No other State funds shall be used for these purposes.
- d) Any deficit in the Fund from one fiscal year shall be amortized over three years in three equal amounts.
- e) Any surplus in the Fund of the aggregate premium that occurs in one fiscal year shall be used to reduce the aggregate premium for the next year.
- (Source: Amended at 25 Ill. Reg. 10306, effective )

Section 2160.620 Premium Rate Structure

The Director shall annually determine monthly rates of payment subject to the following constraints.

- a) A tiered rate methodology shall be employed.
- b) Units and Facilities shall be assigned a rate tier based on the projected costs for each Unit and Facility according to the following guidelines: listed below:
- 1) In the first Fiscal Year of coverage the rates shall be based on the cost of administration and the cost of medical services adjusted for age, sex, geographic or demographic characteristics, or other factors that may affect the costs of the Plan, equal to the amount normally charged to the State employees for elected optional coverages or for enrolled dependents' coverages or other contributory coverages, or contributed by the State for basic insurance coverages on behalf of its employees, adjusted for differences between State employees and Employees of the Unit or Facility in age, sex, geographic location, plus an amount (which shall be between 4% and 12% of such charges) sufficient to pay for the additional administrative costs of providing coverage to Members of a Unit or Facility and their dependents. The proportion of the cost that the Unit or Facility contributes toward the dependent premium shall also be used in the calculation to determine the projected costs for the Unit or Facility. A margin to cover fluctuation in the amount of claims shall also be added to the premium. The amount of the margin applied shall vary, depending on the size of the Unit or Facility.

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and the Director shall include, but not be limited to, information contained in claims documentation, statements supporting such information, an evaluation of whether program requirements were interpreted and applied correctly, and review by a medical consultant if necessary.

(Source: Amended at 25 Ill. Reg. 10306, effective )

SUBPART E: RESPONSIBILITIES OF THE ADVISORY BOARD

Section 2160.510 Appointment of Advisors

The Director shall establish the Local Government Health Plan Advisory Board. This Advisory Board shall consist of 7 seven advisors from Units, Facilities or Shelters who shall be appointed by the Director.

- a) Advisory Board members shall be appointed by the Director for terms beginning on September 1.
- b) Of the initial appointments, 3 three advisors shall be appointed for one year, 2 two advisors shall be appointed for 2 two years, and 2 two advisors shall be appointed for 3 three years. If the Unit or Facility from which the Advisor was appointed withdraws from the Plan prior to the expiration of the term, the appointment will terminate. All subsequent appointments shall be 3 three year appointments or until the Unit or Facility withdraws from the Plan, whichever is earlier.

(Source: Amended at 25 Ill. Reg. 10306, effective )

Section 2160.520 Responsibilities of the Board

The responsibilities of the Advisory Board shall consist of the following:

- a) The Advisory Board shall annually review material to be distributed to the Units and Facilities.
- b) The Board shall:
- b1) advise the Department concerning any modifications needed to improve the administration of the Plan;
- b2) review rate setting methodologies;
- b3) hear appeals and make recommendations to the Director for final determination of coverage, as provided in Section 2160.420.

(Source: Amended at 25 Ill. Reg. 10306, effective )

SUBPART F: FUNDING

Section 2160.610 Local Government Health Insurance Reserve Fund

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- 2) In subsequent years, premium rates shall be based on prior years' claims experience, the cost of administration and the cost of medical services adjusted for age, sex, geographic or demographic characteristics, or other factors that may affect the costs of the Plan. A further adjustment shall be made to the premium rates to reflect both demographic data and actual prior years' claims experience of the Members of the Unit or Facility, plus an amount sufficient to pay for the additional administrative costs of providing coverage to Members of the Unit or Facility and their Dependents. The proportion that the Unit or Facility contributes toward the Dependent premium shall also be used in the calculation to determine the projected costs for the Unit or Facility. A margin to cover fluctuations in the amount of claims shall also be added to the premium. The amount of the margin applied shall vary (which shall be between 4% and 12% of such charges) depending on the size of the Unit or Facility.
- 3) In the case of coverage under a health maintenance organization, the Director shall annually determine for each participating Unit or Facility the maximum monthly amount the Unit or Facility may contribute toward that coverage, based on an analysis of:
- i) the age, sex, geographic location, and other relevant demographic variables of Employees and
  - ii) the cost to cover those Employees under the State group health insurance plan.
- 4) The Director may similarly determine the maximum monthly amount each Unit or Facility may contribute toward coverage of Dependents under a health maintenance organization.
- 35) Premium rates shall remain unchanged throughout the Fiscal Year. A Unit or Facility shall experience a one-tier rate increase or decrease if the projected costs, based on employee demographics and actual prior years' claims experience of Members and Dependents, warrant such an increase or decrease for the following Fiscal Year.
- c) Beginning with the first year, Units that and Facilities which enroll more than 250 17900 Members may shall be individually experience rated to determine the monthly premium rates.

(Source: Amended at 25 Ill. Reg. 10306, effective )

SUBPART G: HEALTH CARE COVERAGE

Section 2160.710 Local Government Health Plan

The Local Government Health Plan is similar to the same as the benefits health and dental plan offered by the State of Illinois to its employees.

a) The Local Government Health Plan health benefits are described in the Local Government Health Plan Member Handbook that which shall be

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provided to all Health Plan Representatives for distribution to all Members.

b) All Units and Facilities participating in the Plan shall receive sufficient enough Local Government Health Plan Member Handbooks and Benefit Choice Options booklets to distribute to each of their Members.

(Source: Amended at 25 Ill. Reg. 10306, effective )

Section 2160.720 Health Care Coverage

- a) Except as provided in subsections subsection (b) and (c), for any Member or Dependent under the Plan, there is no coverage for 6 six months after enrollment for health conditions that which have been treated during the 3 three months prior to enrollment, as described in the Local Government Health Plan Member Handbook.
- b) For all Members and their covered Dependents who enroll under the Plan at the time their respective Unit or Facility initially enrolls in the Plan, the limitation described in subsection (a) above shall not apply.
- c) The Pre-Existing Condition time period may be reduced by the amount of creditable coverage Members or Dependents may have had with another insurance plan prior to enrollment, provided there was not a break in coverage of more than 63 days. A Certificate of Creditable Coverage from the prior plan must be provided to the employing Unit to reduce the Pre-Existing Condition time period.
- dc) Coverage begins for all Members and their covered Dependents at midnight of the day the Unit or Facility is enrolled in the Plan.
- d) The only exception to this rule occurs when a Member or Dependent of a Unit or Facility is confined to a hospital at the time of enrollment. Coverage shall begin when the Member or Dependent is released from the hospital. The Unit's or Facility's previous insurance provider, if any, shall be responsible for all covered benefits which are incurred during the term of the hospitalization including hospital or extended care facility charges, and laboratory and pharmacy costs.
- e) Evidence of insurability is required on all late dependent enrollments. Late dependent enrollment is defined as an upgrade of dependent coverage from Low Option to High Option. A request for coverage on a newly acquired dependent when request is made after the 30th day of the date of acquiring the new family member request to add a dependent during the annual election period or a request to add a dependent due to a change in family status made in writing within 60 days of the change occurring in such cases coverage is not guaranteed unit approval is received from the Administrative Service Organization.

(Source: Amended at 25 Ill. Reg. 10306, effective )



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## DEPARTMENT OF HUMAN SERVICES

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1) Heading of the Part: General Assistance

2) Code Citation: 89 Ill. Adm. Code 114

3) Section Numbers: Adopted Action:  
114.351 Amendment  
114.400 Amendment

4) Statutory Authority: Implementing Article VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Art. VI and 12-13].

5) Effective Date of Amendments: August 3, 2001

6) Does this rulemaking contain an automatic repeal date? No

7) Do these amendments contain incorporations by reference? No

8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.

9) Notice of Proposal Published in Illinois Register: April 6, 2001 (25 Ill. Reg. 4795)

10) Has JCAR Issued a Statement of Objection to these amendments? No

11) Differences between proposal and final version: No substantive changes were made in the text of the proposed amendments.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect?  
No

14) Are there any amendments pending on this Part: Yes

Section Numbers	Proposed Action	Illinois Register Citation
114.201	Amendment	25 Ill. Reg. 5188
114.204	Amendment	25 Ill. Reg. 5188
114.220	Amendment	25 Ill. Reg. 5188
114.226	Amendment	25 Ill. Reg. 5188
114.229	Amendment	25 Ill. Reg. 5188
114.246	Amendment	25 Ill. Reg. 5188
114.247	Amendment	25 Ill. Reg. 5188
114.404	Amendment	25 Ill. Reg. 5188

15) Summary and Purpose of Amendments: These amendments revise payment

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provisions and provisions for persons who may be included in the assistance unit for GA family and Children Assistance cases.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Ms. Susan Weir, Bureau Chief  
Bureau of Administrative Rules and Procedures  
Department of Human Services  
100 South Grand Avenue East  
3rd Floor, Harris Bldg.  
Springfield, Illinois 62762  
(217) 785-9772

The full text of adopted amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES  
CHAPTER IV: DEPARTMENT OF HUMAN SERVICES  
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 114  
GENERAL ASSISTANCE

## SUBPART A: GENERAL PROVISIONS

Section	
114.1	Description of the Assistance Program
114.2	Determination of Not Employable
114.3	Advocacy Program for Persons Receiving State Transitional Assistance
114.5	Incorporation By Reference

## SUBPART B: NON-FINANCIAL FACTORS OF ELIGIBILITY

Section	
114.9	Client Cooperation
114.10	Citizenship
114.20	Residence
114.30	Age
114.40	Relationship
114.50	Living Arrangement
114.52	Social Security Numbers
114.60	Work Registration Requirements (Outside City of Chicago only)
114.61	Individuals Exempt From Work Registration Requirements (Outside City of Chicago only)
114.62	Job Service Registration (Outside City of Chicago only)
114.63	Failure to Maintain Current Job Service Registration (Outside City of Chicago only)
114.64	Responsibility to Seek Employment (Outside City of Chicago only)
114.70	Initial Employment Expenses (Outside City of Chicago only)
114.80	Downstate General Assistance Work and Training Programs
114.85	Downstate General Assistance - Food Stamps Employment and Training Pilot Project
114.90	Project Chance Participation/Cooperation Requirements (Renumbered)
114.100	General Assistance Jobs Program (Repealed)
114.101	Persons Ineligible for TANF Due to Time Limits

## SUBPART C: PROJECT ADVANCE

Section	
114.108	Project Advance (Repealed)
114.109	Project Advance Participation Requirements of Adjudicated Fathers (Repealed)
114.110	Project Advance Cooperation Requirements of Adjudicated Fathers (Repealed)



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114.111 Project Advance Sanctions (Repealed)  
114.113 Project Advance Good Cause for Failure to Comply (Repealed)  
114.115 Individuals Exempt From Project Advance (Repealed)  
114.117 Project Advance Supportive Services (Repealed)

SUBPART D: EMPLOYMENT AND TRAINING REQUIREMENTS

Section  
114.120 Employment and Training Requirements  
114.121 Persons Required to Participate in Project Chance (Repealed)  
114.122 Advocacy Program for Persons Who Have Applied for Supplemental Security Income (SSI) Under Title XVI of the Social Security Act (Repealed)  
114.123 Persons in Need of Work Rehabilitative Services (WRS) to Become Employable (Repealed)  
114.124 Employment and Training Participation/Cooperation Requirements (Repealed)  
114.125 Employment and Training Program Orientation (Repealed)  
114.126 Employment and Training Program Full Assessment Process/Development of an Employment Plan (Repealed)  
114.127 Employment and Training Program Components (Repealed)  
114.128 Employment and Training Sanctions (Repealed)  
114.129 Good Cause For Failure to Cooperate With Work and Training Participation Requirements (Repealed)  
114.130 Employment and Training Supportive Services (Repealed)  
114.135 Conciliation and Fair Hearings (Repealed)  
114.140 Employment Child Care (Repealed)

SUBPART E: FINANCIAL FACTORS OF ELIGIBILITY

Section  
114.200 Unearned Income  
114.201 Budgeting Unearned Income  
114.202 Budgeting Unearned Income of Applicants Receiving Income On Date of Application And/Or Date of Decision  
114.203 Initial Receipt of Unearned Income  
114.204 Termination of Unearned Income  
114.210 Exempt Unearned Income  
114.220 Education Benefits  
114.221 Unearned Income In-Kind  
114.222 Earmarked Income  
114.223 Lump-Sum Payments  
114.224 Protected Income  
114.225 Earned Income  
114.226 Budgeting Earned Income  
114.227 Budgeting Earned Income of Applicants Receiving Income On Date of Application And/Or Date of Decision  
114.228 Initial Employment

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114.229 Termination of Employment  
114.230 Exempt Earned Income  
114.235 Recognized Employment Expenses  
114.240 Income From Work/Study/Training Program (Repealed)  
114.241 Earned Income From Self-Employment  
114.242 Earned Income From Roomer and Boarder  
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114.244 Earned Income In-Kind  
114.245 Payments from the Illinois Department of Children and Family Services  
114.246 Budgeting Earned Income For Contractual Employees  
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114.250 Assets  
114.251 Exempt Assets  
114.252 Asset Disregards  
114.260 Deferral of Consideration of Assets (Repealed)  
114.270 Property Transfers (Repealed)  
114.280 Supplemental Payments

SUBPART F: PAYMENT AMOUNTS

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114.350 Payment Levels  
114.351 Payment Levels in Group I Counties  
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SUBPART G: OTHER PROVISIONS

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114.403 Institutional Status  
114.404 Retrospective Budgeting  
114.405 Budgeting Schedule  
114.406 Limitation on Amount of General Assistance to Recipients from Other States (Repealed)  
114.408 Responsibility of Sponsors of Non-Citizens Entering the Country On or After 8/22/96  
114.420 Redetermination of Eligibility  
114.430 Extension of Medical Assistance Due to Increased Income from Employment  
114.440 Attorney's Fees for VA Appellants  
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SUBPART H: CHILD CARE

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- 114.450 Child Care (Repealed)  
114.452 Child Care Eligibility (Repealed)  
114.454 Qualified Provider (Repealed)  
114.456 Notification of Available Services (Repealed)  
114.458 Participant Rights and Responsibilities (Repealed)  
114.462 Additional Service to Secure or Maintain Child Care Arrangements (Repealed)  
114.464 Rates of Payment for Child Care (Repealed)  
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- SUBPART I: TRANSITIONAL CHILD CARE
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114.500 Transitional Child Care Eligibility (Repealed)  
114.504 Duration of Eligibility for Transitional Child Care (Repealed)  
114.506 Loss of Eligibility for Transitional Child Care (Repealed)  
114.508 Qualified Provider (Repealed)  
114.510 Notification of Available Services (Repealed)  
114.512 Participant Rights and Responsibilities (Repealed)  
114.514 Child Care Overpayments and Recoveries (Repealed)  
114.516 Fees for Service for Transitional Child Care (Repealed)  
114.518 Rates of Payment for Transitional Child Care (Repealed)

AUTHORITY: Implementing Article VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Art. VI and 12-13].

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2 Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amendment at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979, peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at

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- 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041, effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982; amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; rules repealed, new rules adopted and codified at 7 Ill. Reg. 907, effective January 7, 1983; amended (by adding Sections being codified with no substantive change) at 7 Ill. Reg. 5195; amended at 7 Ill. Reg. 9909, effective August 5, 1983; amended (by adding Section being codified with no substantive change) at 7 Ill. Reg. 14747; amended (by adding Section being codified with no substantive change) at 7 Ill. Reg. 16107; amended at 7 Ill. Reg. 16408, effective November 30, 1983; amended at 7 Ill. Reg. 16652, effective December 1, 1983; amended at 8 Ill. Reg. 243, effective December 27, 1983; amended at 8 Ill. Reg. 5233, effective April 9, 1984; amended at 8 Ill. Reg. 6764, effective April 27, 1984; amended at 8 Ill. Reg. 11435, effective June 27, 1984; amended at 8 Ill. Reg. 13319, effective July 16, 1984; amended at 8 Ill. Reg. 16237, effective August 24, 1984; amended (by adding Sections being codified with no substantive change) at 8 Ill. Reg. 17896; amended at 9 Ill. Reg. 314, effective January 1, 1985; emergency amendment at 9 Ill. Reg. 823, effective January 3, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 9557, effective June 5, 1985; amended at 9 Ill. Reg. 10764, effective July 5, 1985; amended at 9 Ill. Reg. 15800, effective October 16, 1985; amended at 10 Ill. Reg. 1924, effective January 17, 1986; amended at 10 Ill. Reg. 3660, effective January 30, 1986; emergency amendment at 10 Ill. Reg. 4646, effective February 3, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 4896, effective March 7, 1986; amended at 10 Ill. Reg.



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10681, effective June 3, 1986; amended at 10 Ill. Reg. 11041, effective June 5, 1986; amended at 10 Ill. Reg. 12662, effective July 14, 1986; amended at 10 Ill. Reg. 15118, effective September 5, 1986; amended at 10 Ill. Reg. 15640, effective September 19, 1986; amended at 10 Ill. Reg. 19079, effective October 24, 1986; amended at 11 Ill. Reg. 2307, effective January 16, 1987; amended at 11 Ill. Reg. 5297, effective March 11, 1987; amended at 11 Ill. Reg. 6238, effective March 20, 1987; emergency amendment at 11 Ill. Reg. 12449, effective July 10, 1987, for a maximum of 150 days; emergency amendment at 11 Ill. Reg. 12948, effective August 1, 1987, for a maximum of 150 days; emergency amendment at 11 Ill. Reg. 18311, effective November 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 18689, effective November 1, 1987; emergency amendment at 11 Ill. Reg. 18791, effective November 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 20129, effective December 4, 1987; amended at 11 Ill. Reg. 20889, effective December 14, 1987; amended at 12 Ill. Reg. 889, effective January 1, 1988; SUBPARTS C, D and E recodified to SUBPARTS E, F and G at 12 Ill. Reg. 2147; Section 114.110 recodified to Section 114.52 at 12 Ill. Reg. 2984; amended at 12 Ill. Reg. 3505, effective January 22, 1988; amended at 12 Ill. Reg. 6170, effective March 18, 1988; amended at 12 Ill. Reg. 6719, effective March 22, 1988; amended at 12 Ill. Reg. 9108, effective May 20, 1988; amended at 12 Ill. Reg. 9699, effective May 24, 1988; amended at 12 Ill. Reg. 9940, effective May 31, 1988; amended at 12 Ill. Reg. 11474, effective June 30, 1988; amended at 12 Ill. Reg. 14255, effective August 30, 1988; emergency amendment at 12 Ill. Reg. 14364, effective September 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 16729, effective September 30, 1988; amended at 12 Ill. Reg. 20171, effective November 28, 1988; amended at 13 Ill. Reg. 89, effective January 1, 1989; amended at 13 Ill. Reg. 1546, effective January 20, 1989; amended at 13 Ill. Reg. 3900, effective March 10, 1989; amended at 13 Ill. Reg. 8580, effective May 20, 1989; emergency amendment at 13 Ill. Reg. 16169, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 13 Ill. Reg. 16015, effective October 6, 1989; amended at 14 Ill. Reg. 746, effective January 1, 1990; amended at 14 Ill. Reg. 3640, effective February 23, 1990; amended at 14 Ill. Reg. 6360, effective April 16, 1990; amended at 14 Ill. Reg. 10929, effective June 20, 1990; amended at 14 Ill. Reg. 13215, effective August 6, 1990; amended at 14 Ill. Reg. 13777, effective August 10, 1990; amended at 14 Ill. Reg. 14162, effective August 17, 1990; amended at 14 Ill. Reg. 17111, effective September 30, 1990; amended at 15 Ill. Reg. 288, effective January 1, 1991; amended at 15 Ill. Reg. 5710, effective April 10, 1991; amended at 15 Ill. Reg. 11164, effective August 1, 1991; emergency amendment at 15 Ill. Reg. 15144, effective October 7, 1991, for a maximum of 150 days; amended at 16 Ill. Reg. 3512, effective February 20, 1992; emergency amendment at 16 Ill. Reg. 4540, effective March 10, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 11662, effective July 1, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 13297, effective August 15, 1992; emergency amendment at 16 Ill. Reg. 13651, effective September 1, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 14769, effective September 15, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 16276, effective October 1, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 17772, effective

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November 13, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 18815, effective November 24, 1992; amended at 17 Ill. Reg. 1091, effective January 15, 1993; amended at 17 Ill. Reg. 2277, effective February 15, 1993; amended at 17 Ill. Reg. 3255, effective March 1, 1993; amended at 17 Ill. Reg. 3639, effective February 26, 1993; amended at 17 Ill. Reg. 3255, effective March 1, 1993; amended at 17 Ill. Reg. 6814, effective April 21, 1993; emergency amendment at 17 Ill. Reg. 19728, effective November 1, 1993, for a maximum of 150 days; amended at 18 Ill. Reg. 3436, effective February 28, 1994; amended at 18 Ill. Reg. 7390, effective April 29, 1994; amended at 18 Ill. Reg. 12839, effective August 5, 1994; emergency amendment at 19 Ill. Reg. 8434, effective June 9, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 15058, effective October 17, 1995; emergency amendment at 20 Ill. Reg. 4445, effective February 28, 1996, for a maximum of 150 days; amended at 20 Ill. Reg. 9970, effective July 10, 1996; emergency amendment at 21 Ill. Reg. 682, effective January 1, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 7413, effective May 31, 1997; emergency amendment at 21 Ill. Reg. 8652, effective July 1, 1997, for a maximum of 150 days; recodified from the Department of Public Aid to the Department of Human Services at 21 Ill. Reg. 9322; amended at 21 Ill. Reg. 15545, effective November 26, 1997; emergency amendment at 22 Ill. Reg. 16356, effective September 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 19820, effective November 1, 1998; emergency amendment at 23 Ill. Reg. 588, effective January 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 1619, effective January 20, 1999; amended at 23 Ill. Reg. 6067, effective May 4, 1999; amended at 23 Ill. Reg. 6434, effective May 15, 1999; amended at 23 Ill. Reg. 6948, effective May 30, 1999; emergency amendment at 23 Ill. Reg. 8661, effective July 13, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 13863, effective November 19, 1999; amended at 24 Ill. Reg. 2338, effective February 1, 2000; amended at 24 Ill. Reg. 5688, effective March 20, 2000; amended at 25 Ill. Reg. 10325, effective 3/1/01.

## SUBPART F: PAYMENT AMOUNTS

## Section 114.351 Payment Levels in Group I Counties

- a) The following payment levels are established for the GA Program.  
b) The counties included in Group I are:

Boone	Kane	Ogle
Champaign	Kankakee	Whiteside
Cook	Kendall	Winnebago
Dekalb	Lake	Woodford
Dupage	McHenry	

## 1) Family and Children Assistance Case Payment Levels

SIZE OF ASSISTANCE	CARETAKER RELATIVE OR RELATIVES AND CHILD OR CHILDREN ONLY	CHILD OR CHILDREN ONLY
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UNIT	CURRENT	CURRENT
1	212+65	102
2	278	201
3	377	249
4	414	319
5	485	379
6	545	407
7	574	438
8	604	469
9	635	503
10	669	538
11	705	576
12	741	614
13	781	
14	822	
15	866	
16	911	
17	959	
18	1010	

- 2) The Transitional Assistance case payment level in Group I counties is \$100.
- c) For family sizes greater than 18 or 12, the amount of the payment level shall be determined by adding \$50-00 or \$38-00 respectively for each person above 18 or 12.

(Source: Amended at 25 Ill. Reg. 10325, effective

SUBPART G: OTHER PROVISIONS

Section 114.400 Persons Who May Be Included In the Assistance Unit

- a) Family and Children Assistance cases
- 1) General Assistance cases that which include a child or a pregnant woman in the assistance unit are provided assistance through the Children and Family Assistance program. Children and Family assistance cases must include at least one eligible child or a pregnant woman. A child is defined as a person who is:
- A) under age 18
- B) Age 18, and is living with his/her natural or adoptive parent, and is a full time student in a secondary school, or the equivalent level of vocational or technical training and reasonably can be expected to graduate, or complete the program, before reaching age 19.
- 2) In order for an assistance unit to be eligible, an application for a child must also include, if living in the same household and otherwise eligible for assistance:

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- A) any legal parent of the dependent child; and
- B) any blood-related or adoptive brother or sister of the dependent child.
- 3) All eligible children who are blood-related or adoptive siblings in a family unit shall be included in one case.
- 4) Only the following adults may be included in a family case:
- A) A specified relative of the child and the spouse of the specified relative; or
- B) The legal guardian of the child and the spouse of the legal guardian; or
- C) The child's parents, regardless of age or marital status.
- b) Transitional Assistance cases
- 1) General Assistance is provided through the Transitional Assistance program when assistance is being requested by or on behalf of an individual defined by the Department as an adult. An adult is defined as a person who is:
- A) Age 18 or over; or
- B) Married and living with spouse, regardless of age, even if living in the residence of a natural or adoptive parent.
- 2) In a Transitional Assistance case, only the eligible individual shall be included in the assistance unit.
- c) Any person under the age of 18 who does not reside with a parent, legal guardian or spouse is ineligible for Transitional or Children and Family Assistance.

(Source: Amended at 25 Ill. Reg. 10325, effective



## DEPARTMENT OF HUMAN SERVICES

## NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Temporary Assistance for Needy Families

2) Code Citation: 89 Ill. Adm. Code 112

3) Section Numbers: Adopted Action:  
112.1 Amendment  
112.151 Amendment

4) Statutory Authority: Implementing Article IV and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Art. IV and 12-13].

5) Effective Date of Amendments: August 3, 2001

6) Do these amendments contain an automatic repeal date? No

7) Do these amendments contain incorporations by reference? No

8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.

9) Notice of Proposal Published in Illinois Register: March 30, 2001 (25 Ill. Reg. 4380)

10) Has JCAR issued a Statement of Objection to these amendments? No

11) Differences between proposal and final version: The following changes were made in the text of the proposed amendments:

1. In Section 112.1(e), "Home & Community Based Care Program" was changed to "Home and Community Based Services Waivers for Medically Fragile, Technology Dependent, Disabled Persons Under Age 21 programs (89 Ill. Adm. Code 140.645)".

2. The Subpart Heading was added before Section 112.151.

3. In Section 112.151(a)(1), "which" was changed to "that".

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes

13) Will these amendments replace emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? Yes

<u>Section Numbers</u>	<u>Proposed Action</u>	<u>Illinois Register Citation</u>
112.84	New Section	25 Ill. Reg. 6012
112.105	Amendment	25 Ill. Reg. 5203

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112.106	Amendment	25 Ill. Reg. 5203
112.107	Amendment	25 Ill. Reg. 5203
112.108	Amendment	25 Ill. Reg. 5203
112.303	Amendment	25 Ill. Reg. 5203

15) Summary and Purpose of Amendments: These amendments provide for not counting against an individual's 60-month limit a month in which an otherwise eligible adult cares for a severely disabled child approved for a waiver under the Home and Community Based Services Waivers for Medically Fragile, Technology Dependent, Disabled Persons Under Age 21 programs (89 Ill. Adm. Code 140.645). This rulemaking also exempts funds held in an Individual Development Account (IDA).

16) Information and questions regarding these adopted amendments shall be directed to:

Ms. Susan Weir, Bureau Chief  
Bureau of Administrative Rules and Procedures  
Department of Human Services  
100 South Grand Avenue East  
3rd Floor, Harris Bldg.  
Springfield, Illinois 62762  
(217) 785-9772

The full text of the adopted amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES

CHAPTER IV: DEPARTMENT OF HUMAN SERVICES

SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 112

TEMPORARY ASSISTANCE FOR NEEDY FAMILIES

SUBPART A: GENERAL PROVISIONS

Section	Description of the Assistance Program and Time Limit	Enrolled in
112.1	Time Limit on Receipt of Benefits for Clients	
112.2	Post-Secondary Education	
112.5	Incorporation by Reference	

SUBPART B: NON-FINANCIAL FACTORS OF ELIGIBILITY

Section	
112.8	Caretaker Relative
112.9	Client Cooperation
112.10	Citizenship
112.20	Residence
112.30	Age
112.40	Relationship
112.50	Living Arrangement
112.52	Social Security Numbers
112.54	Assignment of Medical Support Rights
112.60	Basis of Eligibility
112.61	Death of a Parent (Repealed)
112.62	Incapacity of a Parent (Repealed)
112.63	Continued Absence of a Parent (Repealed)
112.64	Unemployment of the Parent (Repealed)
112.65	Responsibility and Services Plan
112.66	Alcohol and Substance Abuse Treatment
112.67	Restriction in Payment to Households Headed by a Minor Parent
112.68	School Attendance Initiative
112.69	Felons and Violators of Parole or Probation

SUBPART C: TANF EMPLOYMENT AND WORK ACTIVITY REQUIREMENTS

Section	Employment and Work Activity Requirements
112.70	Individuals Exempt from TANF Employment and Work Activity Requirements
112.71	Requirements
112.72	Participation/Cooperation Requirements
112.73	Adolescent Parent Program (Repealed)
112.74	Responsibility and Services Plan
112.75	Teen Parent Personal Responsibility Plan (Repealed)

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TANF Orientation

Reconciliation and Fair Hearings

TANF Employment and Work Activities

Sanctions

Good Cause for Failure to Comply with TANF Participation Requirements

Responsible Relative Eligibility for JOBS (Repealed)

Supportive Services

Teen Parent Services

Work Experience Evaluation Project (Repealed)

Four Year College/Vocational Training

Demonstration Project

(Repealed)

SUBPART E: PROJECT ADVANCE

Section	
112.86	Project Advance (Repealed)
112.87	Project Advance Experimental and Control Groups (Repealed)
112.88	Project Advance Participation Requirements of Experimental Group
	Members and Adjudicated Fathers (Repealed)
112.89	Project Advance Cooperation Requirements of Experimental Group
	Members and Adjudicated Fathers (Repealed)
112.90	Project Advance Sanctions (Repealed)
112.91	Good Cause for Failure to Comply with Project Advance (Repealed)
112.93	Individuals Exempt From Project Advance (Repealed)
112.95	Project Advance Supportive Services (Repealed)

SUBPART F: EXCHANGE PROGRAM

Section	
112.98	Exchange Program (Repealed)

SUBPART G: FINANCIAL FACTORS OF ELIGIBILITY

Section	Unearned Income
112.100	Unearned Income of Stepparent or Parent
112.101	Budgeting Unearned Income
112.105	Budgeting Unearned Income of Applicants Employed On Date of Application And/or Date Of Decision
112.106	Initial Receipt of Unearned Income
112.107	Termination of Unearned Income
112.108	Exempt Unearned Income
112.110	Education Benefits
112.115	Incentive Allowances
112.120	Unearned Income In-Kind
112.125	Earmarked Income
112.126	Lump-Sum Payments
112.127	Protected Income (Repealed)
112.128	



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112.130	Earned Income
112.131	Earned Income Tax Credit
112.132	Budgeting Earned Income
112.133	Budgeting Earned Income of Employed Applicants
112.134	Initial Employment
112.135	Budgeting Earned Income For Contractual Employees
112.136	Budgeting Earned Income For Non-Contractual School Employees
112.137	Termination of Employment
112.138	Transitional Payments (Repealed)
112.140	Exempt Earned Income
112.141	Earned Income Exemption
112.142	Exclusion From Earned Income Exemption
112.143	Recognized Employment Expenses
112.144	Income from Work-Study and Training Programs
112.145	Earned Income From Self-Employment
112.146	Earned Income From Roomer and Boarder
112.147	Income From Rental Property
112.148	Payments from the Illinois Department of Children and Family Services
112.149	Earned Income In-Kind
112.150	Assets
112.151	Exempt Assets
112.152	Asset Disregards
112.153	Deferral of Consideration of Assets
112.154	Property Transfers (Repealed)
112.155	Income Limit

## SUBPART H: PAYMENT AMOUNTS

Section	
112.250	Grant Levels
112.251	Payment Levels
112.252	Payment Levels in Group I Counties
112.253	Payment Levels in Group II Counties
112.254	Payment Levels in Group III Counties
112.255	Limitation on Amount of TANF Assistance to Recipients from Other States (Repealed)

## SUBPART I: OTHER PROVISIONS

Section	
12.300	Persons Who May Be Included in the Assistance Unit
12.301	Presumptive Eligibility
12.302	Reporting Requirements for Clients with Earnings
12.303	Retrospective Budgeting
12.304	Budgeting Schedule
12.305	Strikers
12.306	Foster Care Program
12.307	Responsibility of Sponsors of Non-Citizens Entering the Country Prior

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112.308	to 8/22/96 Responsibility of Sponsors of Non-Citizens Entering the Country On or After 8/22/96
112.309	Institutional Status
112.310	Child Care for Representative Payees
112.315	Young Parent Program (Renumbered)
112.320	Redetermination of Eligibility
112.330	Extension of Medical Assistance Due to Increased Income from Employment
112.331	Four Month Extension of Medical Assistance Due to Child Support Collections
112.332	Extension of Medical Assistance Due to Loss of Earned Income Disregard (Repealed)
112.340	New Start Payments to Individuals Released from Department of Corrections Facilities (Repealed)

## SUBPART J: CHILD CARE

Section	
112.350	Child Care (Repealed)
112.352	Child Care Eligibility (Repealed)
112.354	Qualified Provider (Repealed)
112.356	Notification of Available Services (Repealed)
112.358	Participant Rights and Responsibilities (Repealed)
112.362	Additional Service to Secure or Maintain Child Care Arrangements (Repealed)
112.364	Rates of Payment for Child Care (Repealed)
112.366	Method of Providing Child Care (Repealed)
112.370	Non-JOBS Education and Training Program (Repealed)

## SUBPART K: TRANSITIONAL CHILD CARE

Section	
112.400	Transitional Child Care Eligibility (Repealed)
112.404	Duration of Eligibility for Transitional Child Care (Repealed)
112.406	Loss of Eligibility for Transitional Child Care (Repealed)
112.408	Qualified Child Care Providers (Repealed)
112.410	Notification of Available Services (Repealed)
112.412	Participant Rights and Responsibilities (Repealed)
112.414	Child Care Overpayments and Recoveries (Repealed)
112.416	Fees for Service for Transitional Child Care (Repealed)
112.418	Rates of Payment for Transitional Child Care (Repealed)

AUTHORITY: Implementing Article IV and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Art. IV and 12-13].

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134,

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effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2 Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amendment at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979; peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041, effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982; amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; rules repealed, new rules adopted

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and codified at 7 Ill. Reg. 907, effective January 11, 1983; rules repealed and new rules adopted and codified at 7 Ill. Reg. 2720, effective February 28, 1983; amended (by adding Sections being codified with no substantive change) at 7 Ill. Reg. 5195; amended at 7 Ill. Reg. 11284, effective August 26, 1983; amended at 7 Ill. Reg. 13920, effective October 7, 1983; amended at 7 Ill. Reg. 15690, effective November 9, 1983; amended (by adding Sections being codified with no substantive change) at 7 Ill. Reg. 16105; amended at 7 Ill. Reg. 17344, effective December 21, 1983; amended at 8 Ill. Reg. 213, effective December 27, 1983; emergency amendment at 8 Ill. Reg. 569, effective January 1, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 4176, effective March 19, 1984; amended at 8 Ill. Reg. 5207, effective April 9, 1984; amended at 8 Ill. Reg. 7226, effective May 16, 1984; amended at 8 Ill. Reg. 11391, effective June 27, 1984; amended at 8 Ill. Reg. 12333, effective June 29, 1984; amended (by adding Sections being codified with no substantive change) at 8 Ill. Reg. 17894; peremptory amendment at 8 Ill. Reg. 18127, effective October 1, 1984; peremptory amendment at 8 Ill. Reg. 19889, effective October 1, 1984; amended at 8 Ill. Reg. 19983, effective October 3, 1984; emergency amendment at 8 Ill. Reg. 21666, effective October 19, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 21621, effective October 23, 1984; amended at 8 Ill. Reg. 25023, effective December 19, 1984; amended at 9 Ill. Reg. 282, effective January 1, 1985; amended at 9 Ill. Reg. 4062, effective March 15, 1985; amended at 9 Ill. Reg. 8155, effective May 17, 1985; emergency amendment at 9 Ill. Reg. 10094, effective June 19, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11317, effective July 5, 1985; amended at 9 Ill. Reg. 12795, effective August 9, 1985; amended at 9 Ill. Reg. 15887, effective October 4, 1985; amended at 9 Ill. Reg. 16277, effective October 11, 1985; amended at 9 Ill. Reg. 17827, effective November 18, 1985; emergency amendment at 10 Ill. Reg. 354, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 1172, effective January 10, 1986; amended at 10 Ill. Reg. 3641, effective January 30, 1986; amended at 10 Ill. Reg. 4885, effective March 7, 1986; amended at 10 Ill. Reg. 8118, effective May 1, 1986; amended at 10 Ill. Reg. 10628, effective June 1, 1986; amended at 10 Ill. Reg. 11017, effective June 6, 1986; Sections 112.78 through 112.86 and 112.88 recodified to 89 Ill. Adm. Code 160 at 10 Ill. Reg. 11928; emergency amendment at 10 Ill. Reg. 12107, effective July 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 12650, effective July 14, 1986; amended at 10 Ill. Reg. 14681, effective August 29, 1986; amended at 10 Ill. Reg. 15101, effective September 5, 1986; amended at 10 Ill. Reg. 15621, effective September 19, 1986; amended at 10 Ill. Reg. 21860, effective December 12, 1986; amended at 11 Ill. Reg. 2280, effective January 16, 1987; amended at 11 Ill. Reg. 3140, effective January 30, 1987; amended at 11 Ill. Reg. 4682, effective March 6, 1987; amended at 11 Ill. Reg. 5223, effective March 11, 1987; amended at 11 Ill. Reg. 6228, effective March 20, 1987; amended at 11 Ill. Reg. 9927, effective May 15, 1987; amended at 11 Ill. Reg. 12003, effective November 1, 1987; emergency amendment at 11 Ill. Reg. 12432, effective July 10, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 12908, effective July 30, 1987; emergency amendment at 11 Ill. Reg. 12935, effective August 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 13625, effective August 1, 1987; amended at 11 Ill. Reg. 14755, effective



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August 26, 1987; amended at 11 Ill. Reg. 18679, effective November 1, 1987; emergency amendment at 11 Ill. Reg. 18781, effective November 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 20114, effective December 4, 1987; Sections 112.90 and 112.95 recodified to Sections 112.52 and 112.54 at 11 Ill. Reg. 20610; amended at 11 Ill. Reg. 20889, effective December 14, 1987; amended at 12 Ill. Reg. 844, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1929, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 2126, effective January 12, 1988; SUBPARTS C, D and E recodified to SUBPARTS G, H and I at 12 Ill. Reg. 2136; amended at 12 Ill. Reg. 3487, effective January 22, 1988; amended at 12 Ill. Reg. 6159, effective March 19, 1988; amended at 12 Ill. Reg. 6694, effective March 22, 1988; amended at 12 Ill. Reg. 7336, effective May 1, 1988; amended at 12 Ill. Reg. 7673, effective April 20, 1988; amended at 12 Ill. Reg. 9032, effective May 20, 1988; amended at 12 Ill. Reg. 10481, effective June 13, 1988; amended at 12 Ill. Reg. 14172, effective August 30, 1988; amended at 12 Ill. Reg. 14669, effective September 16, 1988; amended at 13 Ill. Reg. 70, effective January 1, 1989; amended at 13 Ill. Reg. 6017, effective April 14, 1989; amended at 13 Ill. Reg. 8567, effective May 22, 1989; amended at 13 Ill. Reg. 16006, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16142, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 14 Ill. Reg. 705, effective January 1, 1990; amended at 14 Ill. Reg. 3170, effective February 13, 1990; amended at 14 Ill. Reg. 3575, effective February 23, 1990; amended at 14 Ill. Reg. 6306, effective April 16, 1990; amended at 14 Ill. Reg. 10379, effective June 20, 1990; amended at 14 Ill. Reg. 13652, effective August 10, 1990; amended at 14 Ill. Reg. 14140, effective August 17, 1990; amended at 14 Ill. Reg. 16937, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 338, effective January 1, 1991, for a maximum of 150 days; emergency amendment at 15 Ill. Reg. 2862, effective February 4, 1991, for a maximum of 150 days; emergency expired July 4, 1991; amended at 15 Ill. Reg. 5275, effective April 1, 1991; amended at 15 Ill. Reg. 5684, effective April 10, 1991; amended at 15 Ill. Reg. 11127, effective July 19, 1991; amended at 15 Ill. Reg. 11447, effective July 25, 1991; amended at 15 Ill. Reg. 14227, effective September 30, 1991; amended at 15 Ill. Reg. 17308, effective November 18, 1991; amended at 16 Ill. Reg. 9972, effective June 15, 1992; amended at 16 Ill. Reg. 11550, effective July 15, 1992; emergency amendment at 16 Ill. Reg. 11652, effective July 1, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 13629, effective September 1, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 17724, effective November 9, 1992; amended at 16 Ill. Reg. 20147, effective December 14, 1992; amended at 17 Ill. Reg. 357, effective December 24, 1992; amended at 17 Ill. Reg. 813, effective January 15, 1993; amended at 17 Ill. Reg. 2253, effective February 15, 1993; amended at 17 Ill. Reg. 4312, effective March 25, 1993; emergency amendment at 17 Ill. Reg. 6325, effective April 9, 1993, for a maximum of 150 days; amended at 17 Ill. Reg. 6792, effective April 21, 1993; amended at 17 Ill. Reg. 15017, effective September 3, 1993; amended at 17 Ill. Reg. 19156, effective October 25, 1993; emergency amendment at 17 Ill. Reg. 19696, effective November 1, 1993, for a maximum of 150 days; amended at 18 Ill. Reg. 5909, effective March 31, 1994; amended at 18 Ill. Reg. 6994, effective April 27, 1994; amended at 18 Ill. Reg.

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8703, effective June 1, 1994; amended at 18 Ill. Reg. 10774, effective June 27, 1994; amended at 18 Ill. Reg. 12805, effective August 5, 1994; amended at 18 Ill. Reg. 15774, effective October 17, 1994; expedited correction at 19 Ill. Reg. 998, effective October 17, 1994; amended at 19 Ill. Reg. 2845, effective February 24, 1995; amended at 19 Ill. Reg. 5609, effective March 31, 1995; amended at 19 Ill. Reg. 7883, effective June 5, 1995; emergency amendment at 19 Ill. Reg. 10206, effective July 1, 1995, for a maximum of 150 days; emergency amendment at 19 Ill. Reg. 12011, effective August 7, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 12664, effective September 1, 1995; emergency amendment at 19 Ill. Reg. 15244, effective November 1, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 15661, effective November 3, 1995; emergency amendment at 19 Ill. Reg. 15839, effective November 15, 1995, for a maximum of 150 days; emergency amendment at 19 Ill. Reg. 16295, effective December 1, 1995, for a maximum of 150 days; amended at 20 Ill. Reg. 845, effective January 1, 1996; amended at 20 Ill. Reg. 3538, effective February 15, 1996; amended at 20 Ill. Reg. 5648, effective March 30, 1996; amended at 20 Ill. Reg. 6018, effective April 12, 1996; amended at 20 Ill. Reg. 6498, effective April 29, 1996; amended at 20 Ill. Reg. 7892, effective June 1, 1996; emergency amendment at 20 Ill. Reg. 12499, effective September 1, 1996, for a maximum of 150 days; amended at 20 Ill. Reg. 14820, effective November 1, 1996; amended at 20 Ill. Reg. 15983, effective December 9, 1996; emergency amendment at 21 Ill. Reg. 662, effective January 1, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 940, effective January 7, 1997; amended at 21 Ill. Reg. 1366, effective January 15, 1997; amended at 21 Ill. Reg. 2655, effective February 7, 1997; amended at 21 Ill. Reg. 7391, effective May 31, 1997; emergency amendment at 21 Ill. Reg. 8426, effective July 1, 1997, for a maximum of 150 days; recodified from the Department of Public Aid to the Department of Human Services at 21 Ill. Reg. 9322; amended at 21 Ill. Reg. 15597, effective November 26, 1997; emergency amendment at 22 Ill. Reg. 4466, effective February 24, 1998, for a maximum of 150 days; emergency amendment at 22 Ill. Reg. 12197, effective July 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 14744, effective August 1, 1998; amended at 22 Ill. Reg. 16256, effective September 1, 1998; emergency amendment at 22 Ill. Reg. 16365, effective September 1, 1998, for a maximum of 150 days; emergency amendment at 22 Ill. Reg. 18082, effective October 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 19840, effective November 1, 1998; emergency amendment at 23 Ill. Reg. 598, effective January 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 942, effective January 6, 1999; emergency amendment at 23 Ill. Reg. 1133, effective January 7, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 1682, effective January 20, 1999; emergency amendment at 23 Ill. Reg. 5881, effective May 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 6958, effective May 30, 1999; amended at 23 Ill. Reg. 7091, effective June 4, 1999; amended at 23 Ill. Reg. 7896, effective July 1, 1999; emergency amendment at 23 Ill. Reg. 8672, effective July 13, 1999, for a maximum of 150 days; emergency amendment at 23 Ill. Reg. 10530, effective August 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 12648, effective September 27, 1999; amended at 23 Ill. Reg. 13898, effective November 19, 1999; amended at 24 Ill. Reg. 289, effective December

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28, 1999; amended 3-24 Ill. Reg. 2348, effective February 1, 2000; amended at 25 Ill. Reg. 10336, effective \_\_\_\_\_.

## SUBPART A: GENERAL PROVISIONS

## Section 112.1 Description of the Assistance Program and Time Limit

a) The program provides temporary assistance for needy families. Clients are limited to 60 months of benefits as an adult. This is a lifetime limit and includes cash benefits received both in Illinois and other states. ~~Months-in-which-the-family-has-reported-weekly-hours-of employment-equal-to-or-greater-than-the-State-TANF-Work-Requirement will-not-count-toward-the-60-month-limit. Months-in-which-a-family head-is-a-teen-parent-under-age-18-will-not-count-toward-the-60-month limit.~~ All parents or caretakers must engage in work activities within 24 months or, if earlier, when determined able to work.

b) Months in which the family has reported weekly hours of employment equal to or greater than the State TANF Work Requirement will not count toward the 60-month limit. The State TANF Work Requirement is as follows:

1) For Category 06 (two parent) cases - 35 hours per week in FFY 1999 and after;

2) For Category 04 cases - 20 hours per week in FFY 1998, 25 hours per week in FFY 1999, 30 hours per week in FFY 2000 and after.

c) Months in which a family head is a teen parent under age 18 will not count toward the 60-month limit.

d) Months in which a person meets the criteria listed in Section 112.2 will not count toward that person's 60-month limit.

e) Months in which a person cares for a severely disabled child approved for a waiver under the Home and Community Based Services Waivers for Medically Fragile, Technology Dependent, Disabled Persons Under Age 21 programs (89 Ill. Adm. Code 140.645) will not count toward the 60-month limit.

(Source: Amended at 25 Ill. Reg. 10336, effective \_\_\_\_\_.)

## SUBPART G: FINANCIAL FACTORS OF ELIGIBILITY

## Section 112.151 Exempt Assets

a) The following assets are exempt from consideration in determining eligibility for assistance and the amount of the assistance payment:

- 1) A home that which is the usual residence of the assistance unit.
- 2) Clothing, personal effects and household furnishings.
- 3) One automobile per assistance unit.
- 4) The value of the coupon allotment under the Food Stamp Act of 1977 (7 USC 6-5-e 2011 et seq.).

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5) The value of the U.S. Department of Agriculture donated foods (surplus commodities).

6) The value of supplemental food assistance received under the Child Nutrition Act of 1966 (42 USC 6-5-e 1771 et seq.) and the special food service program for children under the National School Lunch Act (42 USC 6-5-e 1751 et seq.).

7) The principal and interest of a trust fund which the court refuses to release and one-time only payments released for a specific purpose other than income maintenance needs of the child.

8) Burial spaces and additions or improvements to a burial space.

9) Prepaid Funeral Agreements worth \$1500 or less per person.

10) Donations or benefits from fund raisers held for a seriously ill client provided the client or a responsible relative of the client does not have control (that is, not available to the client or the responsible relative) over the donations or benefits or the disbursement of the donations or benefits.

11) A nonrecurring lump-sum SSI payment and a nonrecurring lump-sum SSA payment based on the individual's disability and made to that individual in a TANF assistance unit is exempt as an asset for the month of receipt and the following month. For the third month, any remainder must be counted as a nonexempt asset.

12) The value of any savings in which the money is accumulated from the earning of a child. The interest is also exempt as well as gifts to the child not exceeding \$50 per quarter.

13) The value of micro-equipment and inventory needed for a functioning self-employment enterprise or being held in accordance with a Responsibility and Services Plan for the establishment of a self-employment enterprise.

14) Funds held in Individual Development Accounts meeting the requirements of Section 404(h) of the Social Security Act or in a program approved by the Department.

b) In addition to the above, the following assets are exempt. The assets listed in this subsection (b) remain exempt only as long as they can be separately identified if they are added to an existing account. If the amount of combined assets at any time, from the time of the receipt of the exempt asset or assets until the date of the eligibility determination or redetermination, fall below the amount of the exempted assets, only the lowest balance remains exempt.

- 1) The assets of a stepparent for purposes of determining the stepchild's eligibility.
- 2) Any benefits received under Title VII, Nutrition Program for the Elderly of the Older Americans Act of 1965 (42 USC 6-5-e 3045 et seq.), as amended.
- 3) Any payment received under Title II of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 USC 6-5-e 4601 et seq.).
- 4) Any payments distributed per capita or held in trust for members



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- 16) Disaster relief payments provided by federal, State or local government or a disaster assistance organization.  
17) Earmarked child support payments received by a client for the support of a child not included in the assistance unit.  
18) Payments received under the federal Radiation Exposure Compensation Act (42 USC 5854e- 2210 nt).  
19) Payments made to individuals because of their status as victims of Nazi persecution pursuant to P.L. 103-286.

(Source: Amended at 25 Ill. Reg. 10336, effective \_\_\_\_\_)

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- of any Indian Tribe under P.L. 92-254, P.L. 93-134 or P.L. 94-540.  
5) Tax-exempt portions of payments made pursuant to the Alaska Native Claims Settlement Act (43 USC 585-e 1601 et seq.).  
6) Federally subsidized housing payments under Section 8 of the Housing and Community Development Act of 1974 (42 USC 585-e 1437f) of the U.S. Housing Act of 1937.  
7) Effective October 17, 1975, receipts distributed to certain Indian Tribunal members of marginal land held by the United States government.  
8) Payments for supporting services or reimbursement for out-of-pocket expenses made to volunteers serving as senior health aides, senior companions, foster grandparents, and persons serving in the Service Corps of Retired Executives (SCORE) and Active Corps of Executives (ACE) and any other programs under Titles II and III, pursuant to Section 418 of P.L. 93-113.  
9) Any grant or loan to an undergraduate student for educational purposes made or insured under any programs administered by the Commissioner of Education.  
10) For those individuals who have approved self-employment plans under Section 112.78, business assets must be separate from personal assets. Business assets are those assets that are directly related to producing goods and services that have been purchased after the business begins or as part of an approved self-employment plan (see Section 112.78). Business assets are considered exempt unless it is determined that the equity value (the value for which the asset can be sold less any amount owned on the asset) exceeds \$1,000. If the assets are determined to exceed \$1,000 but are less than \$5,000, the case will be reviewed in the DHS central office to ensure that the assets in excess of \$1,000 are appropriate as business assets. A determination of business assets will be completed two years after the plan is approved.  
11) Any payments received under Title I of P.L. 100-383 of the Civil Liberties Act of 1988 (50 USC 585-e- 1989b through 1989b-8).  
12) Any payment received under Title II of P.L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50 USC 585-e 1989c through 1989c-8).  
13) Payments made to veterans who receive an annual disability payment or to the survivors of deceased veterans who receive a one-time lump-sum payment from the Agent Orange Settlement Fund or any other fund referencing Agent Orange product liability under P.L. 101-201.  
14) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.  
15) Assets accumulated from income earned through employment under the federal "Health Start" Project.

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1) Heading of the Part: Regulated Recharge Areas2) Code Citation: 35 Ill. Adm. Code 6173) Section Numbers: Proposed Action:

617.101	Amended
617.102	Amended
617.110	New
617.115	New
617.120	New
617.125	New
617.130	New
617.135	New
617.140	New
617.200	New
617.205	New
617.210	New
617.215	New
617.220	New
617.225	New
Appendix A	New
Appendix B	New

4) Statutory Authority: Implementing Sections 17.3, 17.4, 27, and 28 of the Illinois Environmental Protection Act [415 ILCS 5/17.3, 17.4, 27, 28]5) Effective Date of Amendments: September 1, 20016) Do these amendments contain an automatic repeal date? No7) Do these amendments contain incorporations by reference? Yes. See Section 617.110, incorporating 40 CFR 302.1 through 302.8.8) A copy of the adopted amendments, including any material incorporated by reference, is in the Board's office at 100 W. Randolph, Suite 11-500 Chicago, Illinois, and is available for public inspection.9) Notice of Proposal Published in Illinois Register: September 1, 2000, 24 Ill. Reg. 1316410) Has JCAR issued a Statement of Objection to these amendments? No11) Differences between proposal and final version:

## In the Table of Contents:

Deleted "617." from "617.Appendix A"

Deleted "617." from "617.Appendix B"

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## NOTICE OF ADOPTED AMENDMENTS

## In the Source Note:

changed "5/27]." to "27]." to "," to ","  
 In Section 617.102, changed "the Act or" to "Section 1 of the Act, or"  
 In Section 617.102, changed "another" to "another."  
 In Section 617.102, changed "[415 ILCS 5/3.77]." to "[415 ILCS 5/3.77]"  
 In Section 617.102, changed "Part"  
 In Section 617.102, changed deleted "Section"  
 In Section 617.102, changed "public [430 ILCS 45/3]." to "public. [430 ILCS 45/3]"  
 In Section 617.102, changed "Class V Injection Well" to "Class V injection well"  
 In Section 617.102, changed "." to ","  
 In Section 617.102, changed "gas producing" to "gas-producing"  
 In Section 617.102, changed "shale [40 CFR 146.5]." to "shale. (40 CFR 146.5)"  
 In Section 617.102, changed "business [430 ILCS 45/3]." to "business. [430 ILCS 45/3]"  
 In Section 617.102, changed "garbage, and" to "garbage and"  
 In Section 617.102, changed "hotels, and" to "hotels and"  
 In Section 617.102, changed "waste [415 ILCS 5/3.85]." to "waste. [415 ILCS 5/3.85]"  
 In Section 617.102, changed "which" to "that"  
 In Section 617.102, changed "which" to "that"  
 In Section 617.102, changed "which" to "that"  
 In Section 617.102, changed "period exceed" to "period, exceed"  
 In Section 617.102, changed "facility [415 ILCS 5/3.59]." 4 to "facility. [415 ILCS 5/3.59]"  
 In Section 617.102, deleted "change"  
 In Section 617.102, changed "1988 [415 ILCS 5/3.58]." to "988. [415 ILCS 5/3.58]"  
 In Section 617.102, changed "wastewaters;" to "wastewaters; or"  
 In Section 617.102, changed "[the]" to "(the)"  
 In Section 617.102, changed "pesticides [415 ILCS 5/14.2(g)(4)]." to "pesticides. ILCS 5/14.2(g)(4)"  
 In Section 617.102, changed "which;" to "that:"  
 In Section 617.102, changed "substances [415 ILCS 5/3.59]." to "substances. [415 ILCS 5/3.59]"  
 In Section 617.102, changed "gravel [415 ILCS 5/3.58]." to "gravel. [415 ILCS 5/3.58]"  
 In Section 617.102, changed "which;" to "that:"  
 In Section 617.102, changed "Act) [415 ILCS 5/3.60]." to "Act). [415 ILCS 5/3.60]"  
 In Section 617.102, changed "contamination [415 ILCS 5/3.67]." to "contamination. [415 ILCS 5/3.67]"  
 In Section 617.102, changed "[the]" to "(the)"  
 In Section 617.102, changed "groundwaters [415 ILCS 5/3.61]." to "groundwaters. [415 ILCS 5/3.61]"



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In Section 617.215, changed "information" to "informational"  
 In Section 617.215, changed "the effective date of Subpart B of this Part" to "September 1, 2001,"

In Section 617.215, changed "meeting:" to "meeting."  
 In Section 617.215, changed "the effective date of this Subpart" to "September 1, 2001,"

In Section 617.220, changed "contamination," to "contamination"

In Section 617.220, changed "area," to "area"

In Section 617.220, changed "system," to "system"

In Section 617.220, changed "contamination," to "contamination"

In Section 617.220, changed "days of the" to "days after the"

In Section 617.220, changed "contamination," to "contamination"

In Section 617.220, changed "617.225" to "617.225,"

In Section 617.220, changed "subpart" to "Subpart"

In Section 617.220, changed "the effective date of this Subpart" to "September 1, 2001,"

In Section 617.220, changed "must" to "must,"

In Section 617.220, changed "(b)(1)" to "(d)(1)"

In Section 617.220, changed "timely a manner" to "timely manner"

In Section 617.220, changed "contamination," to "contamination"

In Section 617.220, changed "days of registration." to "days after registration."

In Section 617.220, changed "(b)" to "(d)"

In Section 617.220, changed "source shall do" to "source of groundwater contamination shall do"

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreements letter issued by JCAR? Yes

13) Will these amendments replace any emergency amendments currently in effect? No

14) Are there any amendments pending on this Part? No

15) Summary and Purpose of the Amendments: This rulemaking is explained in more detail in the Board's opinion and order of July 26, 2001, in Docket R00-17, available from the address in 16 item below. The rulemaking was initiated by a proposal filed by the Illinois Environmental Protection Agency on February 14, 2000, pursuant to Sections 17.3 and 27 of the Environmental Protection Act (Act).

In summary, these additions to 35 Ill. Adm. Code 617 create Illinois' first regulated recharge area under Section 17.4 of the Act to protect the drinking water supply and the well-heads for the Pleasant Valley Water District located in Peoria County, Illinois. Certain facilities, sites,

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In Section 617.102, changed "[the]" to "(the)"  
 In Section 617.102, changed "thereunder [415 ILCS 5/3.43]." to "thereunder. [415 ILCS 5/3.43]"

In Section 617.102, changed "facilities [415 ILCS 5/3.62]." to "facilities. [415 ILCS 5/3.62]"

In Section 617.102, changed "[of the Act]," to "(of the Act),"

In Section 617.102, changed "U.S.C." to "USC"

In Section 617.102, changed "thereto [415 ILCS 5/3.53]." to "thereto. [415 ILCS 5/3.53]"

In Section 617.120, changed "this Subpart." to "any Subpart of this Part that creates a delineated regulated recharge area in which that facility is located"

In Section 617.125, after "Act" added "[510 ILCS 77]"

In Section 617.125, changed "i)" to "A)"

In Section 617.125, changed "ii)" to "B)"

In Section 617.125, changed "iii)" to "C)"

In Section 617.125, changed "site," to "site:"

In Section 617.125, changed "persons" to "person"

In Section 617.125, deleted "may"

In Section 617.125, changed "thirty" to "30"

In Section 617.125, changed "thirty" to "30"

In Section 617.125, changed "thirty" to "30"

In Section 617.125, changed "the owner or operator receives the Agency's statement In finding the assessment adequate, or the owner or operator prevails on appeal in 617.125(1), whichever is later." to "issuance of a final statement by the Agency."

In Section 617.125, changed "thirty-fifth" to "35th"

In Section 617.130, changed "waste and construction and" to "waste, livestock waste, and construction and"

In Section 617.135, changed "School District" to "school district"

In Section 617.135, changed "within or" to "within, or"

In Section 617.135, changed "service area of the" to "service area, of the"

In Section 617.135, changed "associated water supply" to "water supply associated"

In Section 617.140, changed "state" to "State"

In Section 617.140, after "supply" added ", as defined in 415 ILCS 5/3.28."

In Section 617.200, changed "subpart" to "Subpart"

In Section 617.205, changed "contamination; and" to "contamination."

In Section 617.205, changed "nothing in" to "Nothing in"

In Section 617.205, changed "U.S.C." to "USC"

In Section 617.205, changed "U.S.C." to "USC"

In Section 617.205, changed "Parts that occur" to "Parts or Sections that occur"

In Section 617.205, change "35 Ill. Adm. Code 617.Appendix A." to "this Part."

In Section 617.210, changed "routes, primary," to "routes or primary,"

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units, and wells located within the boundaries of the recharge area will be regulated to better protect the public water supply. The amendments require owners or operators of new major potential pollution sources located wholly or partially within the recharge area to complete a recharge area suitability assessment. The purpose of the assessment is to assess the potential environmental impacts that a new facility would have within the area, and to assure that appropriate measures to protect against contamination are included in the facility's operation.

16) Information and questions regarding these amendment may be directed to:

Catherine Glenn  
Illinois Pollution Control Board  
James R. Thompson Center  
100 W. Randolph St.  
Suite 11-500  
Chicago, IL 60601  
(312) 814-6923

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the above address. Please refer to the Docket number R00-17 in your request, or download from the Board's Web site at [www.ipcb.state.il.us](http://www.ipcb.state.il.us).

The full text of the adopted amendments begins on the next page:

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TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE F: PUBLIC WATER SUPPLIES  
CHAPTER I: POLLUTION CONTROL BOARD

## PART 617

## REGULATED RECHARGE AREAS

## SUBPART A: GENERAL

Section	Purpose
617.101	Purpose
617.102	Definitions
617.110	Incorporation by Reference
617.115	Scope
617.120	Prohibitions
617.125	Recharge Area Suitability Assessment
617.130	Technology Control Regulations
617.135	Abandoned and Improperly Plugged Well Assistance Program
617.140	Recharge Area Road Sign Posting

## SUBPART B: PLEASANT VALLEY PUBLIC WATER DISTRICT REGULATED RECHARGE AREA

Section	Purpose
617.200	Applicability
617.205	Registration of Potential Sources and Routes of Groundwater Contamination
617.215	Recharge Area Registration Meeting
617.220	Management Systems for Potential Sources
617.225	Training Program for Potential Tertiary Sources

APPENDIX A	Boundary of the Pleasant Valley Public Water District Regulated Recharge Area
APPENDIX B	Potential Route and Source Registration Form

AUTHORITY: Implementing Section 17.4 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/17.4 and 27].

SOURCE: Adopted in R89-5 at 16 Ill. Reg. 1639, effective January 10, 1992; amended in R96-18 at 21 Ill. Reg. 6569, effective May 8, 1997; amended in R00-17 at 25 Ill. Reg. 10354, effective \_\_\_\_\_.

## SUBPART A: GENERAL

## Section 617.101 Purpose

This Part establishes the general requirements and standards for sets-out regulated recharge areas as delineated and adopted by the Illinois Pollution



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Control Board pursuant to Section 17.4 of the Illinois Environmental Protection Act (Act) [415 ILCS 5/17.4].

(Source: Amended at 25 Ill. Reg. **10350** -, effective \_\_\_\_\_)

## Section 617.102 Definitions

Unless a different meaning of a word or term is clear from the context, the definitions of words or terms in this Part shall be the same as those used in 35 Ill. Adm. Code 615.102, 35 Ill. Adm. Code 616.102, Section 1 of the Act, or the Illinois Groundwater Protection Act [415 ILCS 55/1].

"Agency" means the Illinois Environmental Protection Agency.

"Agricultural facility" means a site used for commercial purposes, where bulk pesticides are stored in a single container in excess of 300 gallons of liquid pesticide or 300 pounds of dry pesticide for more than 30 days per year or where more than 300 gallons of liquid pesticide or 300 pounds of dry pesticide are being mixed, repackaged or transferred from one container to another within a 30 day period or a site where bulk fertilizers are stored, mixed, repackaged or transferred from one container to another. [415 ILCS 5/3.77]

"Board" means the Illinois Pollution Control Board.

"Chemical substance" means any "extremely hazardous substance" listed in Appendix A of 40 CFR 355 that is present at a facility in an amount in excess of its threshold planning quantity, any "hazardous substance" listed in 40 CFR 302.4 that is present at a facility in an amount in excess of its reportable quantity or in excess of its threshold planning quantity if it is also an "extremely hazardous substance", and any petroleum including crude oil or any fraction thereof that is present at a facility in an amount exceeding 100 pounds unless it is specifically listed as a "hazardous substance" or an "extremely hazardous substance". "Chemical substance" does not mean any substance to the extent it is used for personal, family, or household purposes or to the extent it is present in the same form as a product packaged for distribution to and use by the general public. [430 ILCS 45/3]

"Class V injection well" means injection wells not included in Class I, II, III, or IV. Class V wells include:

air conditioning return flow wells used to return to the supply aquifer the water used for heating or cooling in a heat pump;

cesspools, including multiple dwelling, community or regional

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cesspools, or other devices that receive wastes, which have an open bottom and sometimes have perforated sides. The Underground Injection Control (UIC) requirements do not apply to single family residential cesspools nor to non-residential cesspools that receive solely sanitary wastes and have the capacity to serve fewer than 20 persons a day;

cooling water return flow wells used to inject water previously used for cooling;

drainage wells used to drain surface fluid, primarily storm runoff, into a subsurface formation;

dry wells used for the injection of wastes into a subsurface formation;

recharge wells used to replenish the water in an aquifer;

salt water intrusion barrier wells used to inject water into a fresh water aquifer to prevent the intrusion of salt water into the fresh water;

sand backfill and other backfill wells used to inject a mixture of water and sand, mill tailings, or other solids into mined out portions of subsurface mines whether or not what is injected is a radioactive waste;

septic system wells used to inject the waste or effluent from a multiple dwelling, business establishment, community, or regional business establishment septic tank. The UIC requirements do not apply to single family residential septic system wells that are used solely for the disposal of sanitary waste and have the capacity to serve fewer than 20 persons a day;

subsurface control wells (not used for the purpose of oil or natural gas production) used to inject fluids into a non-oil or -gas producing zone to reduce or eliminate subsidence associated with the overdraft of fresh water;

radioactive waste disposal wells other than Class IV;

injection wells associated with the recovery of geothermal energy for heating, aquaculture, and production of electric power;

wells used for solution mining of conventional mines such as stripes leaching;

wells used to inject spent brine into the same formation from

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which it was withdrawn after extraction of halogens or their salts;

injection wells used in experimental technologies; and

injection wells used for in-situ recovery of lignite, coal, tar sands, and oil shale. (40 CFR 146.5)

"Container" means any portable device (including, but not limited to, 55-gallon drums) in which material is stored, treated, disposed of or otherwise handled. The term "container" does not include a vehicle used to transport material.

"Existing Potential Tertiary Source of Groundwater Contamination" means a potential tertiary source of groundwater contamination that is not new.

"Facility" means the buildings and all real property contiguous thereto, and the equipment at a single location used for the conduct of business. [430 ILCS 45/3]

"Generator (RCRA)" means any person, by site location, whose act or process produces "hazardous waste" identified or listed in 35 Ill. Adm. Code 721 (see 35 Ill. Adm. Code 702.110 and 35 Ill. Adm. Code 730.103).

"Household waste" means any waste material (including garbage and trash) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas).

"IEMA" means the Illinois Emergency Management Agency.

"Low level radioactive waste" or "waste" means radioactive waste not classified as high-level radioactive waste, transuranic waste, spent nuclear fuel or byproduct material as defined in Section 11e(2) of the Atomic Energy Act of 1954 (42 USC 2014) [420 ILCS 20/3].

"Major Potential Source" means any unit at a facility or site not currently subject to a removal or remedial action that stores, accumulates, landfills, or land treats waste, other than household waste, that could cause contamination of groundwater and is generated on the site.

"Municipal solid waste landfill unit" or "MSWLF Unit" means a contiguous area of land or an excavation that receives household waste, and is not a land application unit, surface impoundment, injection well, or any pile of noncontainerized accumulations of

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solid, nonflowing waste that is used for treatment or storage. A MSWLF unit may also receive other types of RCRA Subtitle D wastes, such as commercial solid waste, nonhazardous sludge, small quantity generator waste and industrial solid waste. Such a landfill may be publicly or privately owned. A MSWLF unit may be a new MSWLF unit, an existing MSWLF unit, or a lateral expansion. A sanitary landfill is subject to regulation as a MSWLF unit if it receives household waste. [415 ILCS 5/3.85]

"New Major Potential Source" means:

a major potential source that is not in existence or for which construction has not commenced at its location as of September 1, 2001; or

a major potential source that expands laterally beyond the currently permitted boundary or, if the potential source is not permitted, the boundary in existence as of September 1, 2001; or a major potential source that is part of a facility that undergoes major reconstruction. Such reconstruction shall be deemed to have taken place where the fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital cost of a comparable entirely new facility as of September 1, 2001.

"New Potential Primary Source" means:

a potential primary source which is not in existence or for which construction has not commenced at its location as of January 1, 1988; or

a potential primary source which expands laterally beyond the currently permitted boundary or, if the primary source is not permitted, the boundary in existence as of January 1, 1988; or a potential primary source which is part of a facility that undergoes major reconstruction. Such reconstruction shall be deemed to have taken place where the fixed capital cost of the new components constructed within a 2-year period exceed 50% of the fixed capital cost of a comparable entirely new facility. [415 ILCS 5/3.59]

"New Potential Route" means:

a potential route which is not in existence or for which construction has not commenced at its location as of January 1, 1988; or



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a potential route which expands laterally beyond the currently permitted boundary or, if the potential route is not permitted, the boundary in existence as of January 1, 1988. [415 ILCS 5/3.58]

"New Potential Secondary Source" means:

a potential secondary source which is not in existence or for which construction has not commenced at its location as of July 1, 1988; or

a potential secondary source which expands laterally beyond the currently permitted boundary or, if the secondary source is not permitted, the boundary in existence as of July 1, 1988, other than an expansion for handling of livestock waste or for treating domestic wastewaters; or

a potential secondary source which is part of a facility that undergoes major reconstruction. Such reconstruction shall be deemed to have taken place where the fixed capital cost of the new components constructed within a 2-year period exceed 50% of the fixed capital cost of a comparable entirely new facility [415 ILCS 5/3.60]; or

A new potential secondary source excludes an agricultural facility that modifies on-site storage capacity such that the volume of the pesticide storage does not exceed 125% of the available capacity in existence on April 1, 1990, or the volume of fertilizer storage does not exceed 150% of the available capacity in existence on April 1, 1990; provided that a written endorsement for an agricultural facility permit is in effect under Assistance 39.4 of (the) Act and the maximum feasible setback is maintained. This on-site storage capacity includes mini-bulk pesticides, package agricultural storage areas, liquid or dry fertilizers, and liquid or dry pesticides. [415 ILCS 5/14.2(g)(4)]

"New Potential Tertiary Source of Groundwater Contamination" means:

a Potential Tertiary Source, that is not in existence or for which construction has not commenced at its location as of September 1, 2001; or

a Potential Tertiary Source that expands laterally beyond the currently permitted boundary or, if the tertiary source is not permitted, the boundary in existence as of September 1, 2001; or

a Potential Tertiary Source that is part of a facility that undergoes major reconstruction after September 1, 2001. Such reconstruction shall be deemed to have taken place where the

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fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital cost of a comparable entirely new facility.

"Potential Primary Source" means any unit at a facility or site not currently subject to a removal or remedial action that:

is utilized for the treatment, storage, or disposal of any hazardous or special waste not generated at the site; or

is utilized for the disposal of municipal waste not generated at the site, other than landscape waste and construction and demolition debris; or

is utilized for the landfilling, land treating, surface impounding or piling of any hazardous or special waste that is generated on the site or at other sites owned, controlled or operated by the same person; or

stores or accumulates at any time more than 75,000 pounds above ground, or more than 7,500 pounds below ground, of any hazardous substances. [415 ILCS 5/3.59]

"Potential route" means abandoned and improperly plugged wells of all kinds, drainage wells, all injection wells, including closed loop heat pump wells, and any excavation for the discovery, development or production of stone, sand or gravel. [415 ILCS 5/3.58]

"Potential secondary source" means any unit at a facility or a site not currently subject to a removal or remedial action, other than a potential primary source, that:

is utilized for the landfilling, land treating, or surface impounding of waste that is generated on the site or at other sites owned, controlled or operated by the same person, other than livestock and landscape waste, and construction and demolition debris; or

stores or accumulates at any time more than 25,000 but not more than 75,000 pounds above ground, or more than 2,500 but not more than 7,500 pounds below ground, of any hazardous substances; or

stores or accumulates at any time more than 25,000 gallons above ground, or more than 500 gallons below ground, of petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance; or

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stores or accumulates pesticides, fertilizers, or road oils for purposes of commercial application or for distribution to retail sales outlets, or

stores or accumulates at any time more than 50,000 pounds of any de-icing agent; or

is utilized for handling livestock waste or for treating domestic wastewaters other than private sewage disposal systems as defined in the Private Sewage Disposal Licensing Act. [415 ILCS 5/3.60]

"Potential Tertiary Source of Groundwater Contamination" means any unit at a facility or site not currently subject to a removal or remedial action that stores or accumulates any chemical substance during any calendar year and that is not a potential primary or secondary source of groundwater contamination.

"Regulated recharge area" means a compact geographic area, as determined by the Board, the geology of which renders a potable resource groundwater particularly susceptible to contamination. [415 ILCS 5/3.67]

"Setback zone" means a geographic area, designated pursuant to (the) Act, containing a potable water supply well or a potential source or potential route, having a continuous boundary, and within which certain prohibitions or regulations are applicable in order to protect groundwaters. [415 ILCS 5/3.61]

"Sinkhole" means any natural depression formed as a result of subsurface removal of soil or rock materials and causing the formation of a collapse feature that exhibits internal drainage. The existence of a sinkhole shall be indicated by the uppermost closed depression contour lines on the United States Geological Survey 7.5 minute topographic quadrangle maps or as determined by field investigation.

"Site" means any location, place, tract of land, and facilities, including but not limited to buildings, and improvements used for purposes subject to regulation or control by (the) Act or regulations thereunder. [415 ILCS 5/3.43]

"Unit" means any device, mechanism, equipment, or area (exclusive of land utilized only for agricultural production). This term includes secondary containment structures and their contents at agricultural facilities. [415 ILCS 5/3.62]

"Unit boundary" means a line at the land's surface circumscribing the area on which, above which or below which waste, pesticides, fertilizers, road oils or de-icing agents will be placed during the

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active life of the facility. The space taken up by any liner, dike or other barrier designed to contain waste, pesticides, fertilizers, road oils or de-icing agents falls within the unit boundary.

"Waste" means any garbage, sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility or other discarded material, including solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved material in irrigation return flows, or coal combustion by-products as defined in Section 3.94 (of the Act), or in industrial discharges which are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, as now or hereafter amended, or source, special nuclear, or by-product materials as defined by the Atomic Energy Act of 1954 as amended (68 stat. 921)(42 USC 2011 et seq.) or any solid or dissolved material from any facility subject to the Federal Surface Mining Control and Reclamation Act of 1977 (P.L. 95-87) or the rules and regulations thereunder or any law or rule or regulation adopted by the State of Illinois pursuant thereto. [415 ILCS 5/3.53]

(Source: Amended at 25 Ill. Reg. 10350 -, effective 10/1/01)

## Section 617.110 Incorporation by Reference

a) The Board incorporates the following federal regulations by reference:

40 CFR 302.1 through 302.8.

b) This Part incorporates no later amendments or editions.

(Source: Added at 25 Ill. Reg. 10350 -, effective 10/1/01)

## Section 617.115 Scope

This Part establishes regulated recharge areas and provisions governing specific activities in those areas delineated by the Board.

(Source: Added at 25 Ill. Reg. 10350 -, effective 10/1/01)

## Section 617.120 Prohibitions

a) The following new facilities, sites, units, or potential routes must not be located within a delineated regulated recharge area:



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- 1) low level radioactive waste sites;
  - 2) class V injection wells;
  - 3) municipal solid waste landfills; or
  - 4) special or hazardous waste landfills.
- b) For the purpose of subsection (a), "new" means the following:
- 1) a facility, site, or unit that is not in existence or for which construction has not commenced at its location as of the effective date of any Subpart of this Part that creates a delineated regulated recharge area in which that facility is located;
  - 2) a facility, site, or unit that expands laterally beyond the currently permitted boundary or, if the potential primary source is not permitted, the boundary in existence as of the effective date of any Subpart of this Part that creates a delineated regulated recharge area in which that facility is located;
  - 3) a unit or site that is part of a facility that undergoes major reconstruction, which shall be deemed to have taken place where the fixed capital cost of the new components, constructed within a 2-year period, exceed 50% of the fixed capital cost of a comparable entirely new facility; or
  - 4) a Class V injection well that is not in existence or for which construction has not commenced at its location as of the effective date of any Subpart of this Part that creates a delineated regulated recharge area in which that facility is located.

(Source: Added at 25 Ill. Reg. 10350-, effective \_\_\_\_\_)

## Section 617.125 Recharge Area Suitability Assessment

The purpose of the recharge area suitability assessment process is to assess potential environmental impacts that a new facility would have within a regulated recharge area, and to assure that appropriate measures to protect against possible contamination will be included in the operation of the facility.

- a) The owners or operators of new major potential sources located wholly or partially within a delineated regulated recharge area may not commence construction without first filing a recharge area suitability assessment with the Agency, except for livestock operations that meet the criteria set forth in 35 Ill. Adm. Code 501.404(e) or except as provided in subsection (b) of this Section.
- b) For any livestock waste handling facility subject to the Livestock Management Facilities Act [510 ILCS 77], the requirement in subsection (a) of this Section for filing a recharge area suitability assessment is only applicable to such facility after filing a notice of intent, or a complete registration if the facility is designed to handle the waste from a 300 animal unit or larger operation, and:

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- 1) a public informational meeting pursuant to Section 12 of the Livestock Management Facilities Act is not requested; or
  - 2) the provisions for a public informational meeting are not applicable to such facility.
- c) A recharge area suitability assessment must include, at a minimum, the following:
- 1) a legal description of the site and location maps including:
    - A) a topographic map of the site drawn to scale of 200 feet to the inch or larger with a contour interval of less than 50 feet;
    - B) an area map that shows the approximate distance of the unit at a facility or site from the nearest potable water supply well or sinkhole; and
    - C) an area map that identifies all land uses within 1 mile of the site;
  - 2) soil survey data for the site;
  - 3) an explanation of the proposed operation and any protection controls or measures;
  - 4) a description of any management systems that will be utilized to prevent environmental contamination; and
  - 5) an analysis of the potential environmental impacts that could occur due to the operation of the facility and any mitigating measures that will be implemented.
- d) Within 7 days after filing the suitability assessment, the owner or operator must:
- 1) notify all adjacent property owners of the filing; and
  - 2) publish a public notice regarding the filing of the assessment in a newspaper whose circulation covers the affected area.
- e) Within 45 days after the filing of an assessment, any person may:
- 1) request copies of the assessment from the Agency; and
  - 2) request that a public hearing be held at a location in the vicinity of the proposed facility.
- f) The Agency must hold the public hearing in a timely manner, but no more than 45 days after receipt of the written response pursuant to subsection (e)(2) of this Section.
- g) The Agency must provide 21 days public notice prior to a public hearing.
- h) Within 90 days after the filing of an assessment or within 120 days after a hearing, the Agency must issue a written statement with one of the following determinations:
- 1) the assessment demonstrates the potential environmental impacts that a facility would have within the recharge area and includes the appropriate measures to protect against possible contamination;
  - 2) the assessment does not demonstrate the potential environmental impacts that a facility would have within the recharge area and does not include the appropriate measures to protect against possible contamination; or

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- 3) the assessment must be modified to address any impacts that the facility will have on the groundwater within the area.
- 1) The owner or operator of the facility may, within 30 days, respond to a statement issued by the Agency pursuant to subsection (h)(2) or (h)(3) of this Section.
- 1) Not later than 30 days after receipt of a response from the owner or operator of the facility, the Agency must issue a final statement regarding the assessment pursuant to subsection (i) of this Section. If no response is received by the Agency within the 30 day period, no further action is necessary and the statement stands as initially issued.
- k) Operation of the facility may only commence after issuance of a final statement by the Agency.
- 1) The applicant may appeal the Agency's final statement to the Board by filing a petition on or before the 35th day after the issuance of the statement. The petition must be filed, and the proceedings conducted, pursuant to the procedures set forth in 35 Ill. Adm. Code 105.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

**Section 617.130 Technology Control Regulations**

The standards and requirements of 35 Ill. Adm. Code 615, 35 Ill. Adm. Code 616, 8 Ill. Adm. Code 257, or 77 Ill. Adm. Code 830 apply to the following existing and new activities when those activities are located wholly or partially within 2,500 feet of the wellheads and are located or take place within a regulated recharge area:

- a) landfilling, land treating, surface impounding or piling of special waste and other wastes that could cause contamination of groundwater and that are generated on the site, other than hazardous waste, livestock waste, and construction and demolition debris;
- b) storage of special waste in an underground storage tank to which federal regulatory requirements for the protection of groundwater are not applicable;
- c) storage and related handling of pesticides and fertilizers at a facility for the purpose of commercial application;
- d) storage and related handling of road oils and de-icing agents at a central location; and
- e) storage and related handling of pesticides and fertilizers at a central location for the purpose of distribution to retail sales outlets.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

**Section 617.135 Abandoned and Improperly Plugged Well Assistance Program**

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The Department of Public Health and Department of Natural Resources may develop an assistance program for abandoned and improperly plugged water supply wells as follows:

- a) The Department of Natural Resources and Department of Public Health must develop educational materials on the requirements for properly plugging abandoned water supply wells within a regulated recharge area.
- b) The Department of Natural Resources and the Department of Public Health must work within a school district to develop, and implement an educational program utilizing the materials developed under subsection (a) of this Section on the requirements for properly plugging abandoned water supply wells within, or within the service area, of the water supply within a regulated recharge area.
- c) The water supply associated with a regulated recharge area will distribute the educational materials developed under subsection (a) of this Section to the water users within the service area.
- d) The Department of Natural Resources must work with a school district in the service area associated with a regulated recharge area to develop and implement groundwater protection information on the proper plugging requirements of abandoned water supply wells.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

**Section 617.140 Recharge Area Road Sign Posting**

Road signs will be posted at the entrance to and exit from a regulated recharge area after September 1, 2001, as follows:

- a) the Agency must work with the Illinois Department of Transportation to demarcate any State or interstate road or highway at the perimeter of a regulated recharge area; and
- b) the public water supply, as defined in 415 ILCS 5/3.28, must demarcate where any major road other than a State or interstate road or highway enters or exits a regulated recharge area.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

**SUBPART B: PLEASANT VALLEY PUBLIC WATER DISTRICT  
REGULATED RECHARGE AREA**

**Section 617.200 Purpose**

This Subpart establishes requirements and standards for the protection of the Pleasant Valley Public Water District for certain types of existing or new facilities, sites or units located wholly or partially within the regulated recharge area boundary delineated in 35 Ill. Adm. Code 617. Appendix A.



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(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

Section 617.205 Applicability

a) This Subpart applies to the following facilities, sites, units or wells located partially or wholly within the Pleasant Valley Public Water District's recharge area boundary:

- 1) those activities not regulated by 35 Ill. Adm. Code 615 or 35 Ill. Adm. Code 616;
- 2) Class V wells and abandoned and improperly plugged wells of any type;
- 3) existing and new potential primary sources of groundwater contamination, existing and new potential secondary sources of groundwater contamination, existing and new potential tertiary sources of groundwater contamination, and existing and new potential routes of groundwater contamination.

b) Nothing in this Subpart impacts the application of State or Federal laws or regulations (35 Ill. Adm. Code 615, 35 Ill. Adm. Code 616, Sections 106 and 107 of the Comprehensive Environmental Response, Compensation and Liability Act (42 USC 9601, et seq.); Sections 3004 and 3008 of the Resource Conservation and Recovery Act (42 USC 6901, et seq.); Sections 4(g), 4(v), 12(g), 21(d), 22.2(f), 22.2(m) and 22.18 of the Act; 35 Ill. Adm. Code 724, 725, 730, 731, 733, 740, 742, 750, 811 and 814)) to activities addressed in those Parts or Sections that occur within the boundaries of the regulated recharge area set out in this Part.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

Section 617.210 Registration of Potential Sources and Routes of Groundwater Contamination

The owner or operator of potential sources or routes of groundwater contamination, located wholly or partially within the Pleasant Valley Public Water District's regulated recharge area detailed in Appendix A, must register the location with the Agency using forms provided in Appendix B as follows:

- a) no later than 30 days prior to commencement of construction for new potential routes or primary, secondary or tertiary sources of groundwater contamination; or
- b) no later than 90 days after the registration meeting described in Section 617.215 of this Subpart.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

Section 617.215 Recharge Area Registration Meeting

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The Agency must hold an informational and registration meeting for the owners or operators of potential sources and routes of groundwater contamination that are located within the boundaries of the regulated recharge area.

- a) Within 30 days after September 1, 2001, the Agency, with the cooperation of the Pleasant Valley Water District, must conduct a door-to-door canvass to notify the owners or operators of all known potentially impacted facilities of the date, time, and place of the informational and registration meeting.

b) At the meeting, the Agency will provide:

- 1) information concerning the applicability of this Subpart;
  - 2) an explanation of and information concerning any other related regulations; and
  - 3) an opportunity for the owner or operator to register the facility.
- c) The Agency will sponsor the meeting within 90 days after the September 1, 2001, at a location within the Pleasant Valley Public Water District.
- d) The Agency must provide copies of each registration to the Pleasant Valley Public Water District.

(Source: Added at 25 Ill. Reg. 10350, effective \_\_\_\_\_)

Section 617.220 Management Systems for Potential Sources

a) The owner or operator of any potential tertiary source of groundwater contamination located wholly or partially within the regulated recharge area must develop and implement a chemical substances management system that, at a minimum, must include the following:

- 1) a brief description of the manner in which the on-site chemical substances are stored and used;
- 2) a potential release assessment and the response procedures to be followed by the facility for notifying local emergency response agencies;
- 3) management measures that are employed to reduce the potential for releases; and
- 4) suitable training as provided by the Agency pursuant to Section 617.225 of this Subpart.

b) The owner or operator of an existing potential tertiary source of groundwater contamination located wholly or partially within the regulated recharge area must:

- 1) Within 90 days after September 1, 2001, register for the training required under Section 617.225; and
- 2) Within 120 days after September 1, 2001, attend an Agency sponsored training program required under Section 617.225 before the development of the required chemical substances management plan (CSMP).

c) The owner or operator of an existing potential tertiary source of

## POLLUTION CONTROL BOARD

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groundwater contamination located wholly or partially within the regulated recharge area must, within 180 days after the training required pursuant to Section 617.225, develop a CSMP and make it available on-site.

- d) The chemical substances management system for a new potential tertiary source must also include secondary containment. Chemical substance storage areas regulated under this Subpart must have a constructed or pre-fabricated containment system that is operated as follows:

1) When not protected from receiving precipitation, the constructed or pre-fabricated containment system must have:

- A) a minimum containment volume of a 6-inch rain storm (a 25 year, 24 hour rain);
- B) the capacity of the largest container or tank; and
- C) the volume displaced by the bases of the other tanks located within the secondary containment structure.

2) When protected from receiving precipitation, the constructed or pre-fabricated containment system must have a minimum containment volume of 100 percent of the capacity of the largest container or tank, plus the volume displaced by the bases of the other containers or tanks.

3) The owner or operator must prevent run-on into the pre-fabricated or constructed secondary containment system, unless the collection system has sufficient excess capacity in addition to that required in subsection (d)(1) of this Section to contain any run-on, which might enter the constructed or pre-fabricated containment system.

4) The owner or operator must remove spilled or leaked material and accumulated precipitation from the sump or collection area in a timely manner to prevent overflow of the collection system.

- e) The owner or operator of a new potential tertiary source of groundwater contamination located wholly or partially within the regulated recharge area must:

1) register for the training required under Section 617.225 30 days before construction has commenced; and

2) attend an Agency sponsored training program required under Section 617.225 within 60 days after registration.

- f) The owner or operator of a potential primary or secondary source must review the facility's chemical management practices and take any necessary actions to ensure protection equivalent to subsection (a) or (d) of this Section.

g) The owner or operator of a potential tertiary source of groundwater contamination must do the following, unless an equivalent CSMP has been prepared and filed:

- 1) maintain a CSMP at the facility at all times;
- 2) review the CSMP annually;
- 3) clearly identify changes in the CSMP;
- 4) provide a copy of the initial Plan to the appropriate local fire department and police response agency; and

## POLLUTION CONTROL BOARD

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5) make the CSMP available for inspection by the public during normal operating hours.

(Source: Added at 25 Ill. Reg. 10350, effective 1/1/00)

## Section 617.225 Training Program for Potential Tertiary Sources

a) A chemical substance management training program (as required in Section 617.220(a)) must be conducted by the Agency as follows:

1) The training program must cover, at a minimum, the following topics:

- A) an overview of the sensitivity of community water supply recharge areas and groundwater protection;
- B) improperly abandoned wells;
- C) the procedure for developing a chemical substance management system;
- D) cost effective containment systems;
- E) small business technical assistance opportunities; and
- F) pollution prevention alternatives appropriate for the type of business.

2) The chemical substances management system training program will be offered at least once, and may be offered more frequently, depending upon demand. The Agency or its designee must publish advance notice of the time, date, and location for each training program.

3) An individual must enroll with the Agency prior to the date for the next scheduled training program.

4) The Agency must provide the owner or operator of a potential tertiary source that participates in the chemical substances management training program with a certificate of completion.

b) The owner or operator of a potential tertiary source who receives a certificate of completion of a chemical substances management training program must post the certificate of completion at his place of business, and must provide a copy of such certificate to the Pleasant Valley Public Water District within 10 days after receipt of the certificate from the Agency.

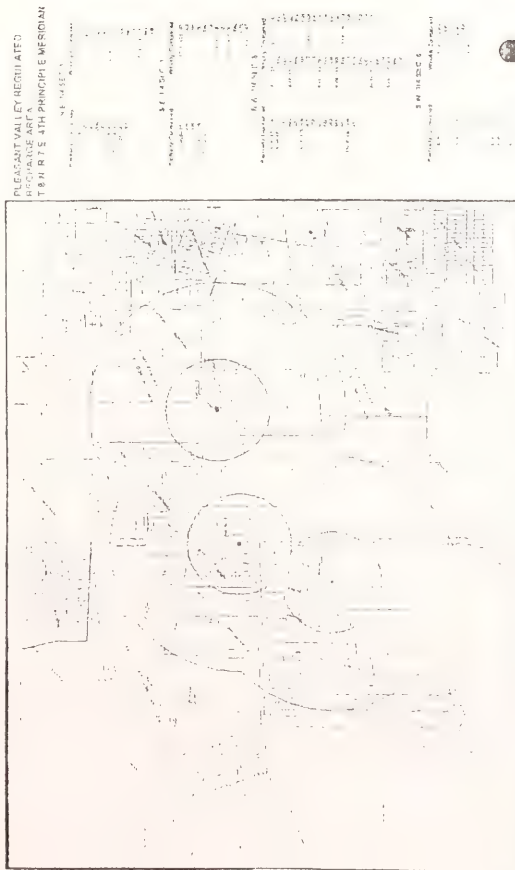
(Source: Added at 25 Ill. Reg. 10350, effective 1/1/00)



POLLUTION CONTROL BOARD  
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Section 617. Appendix A Boundary of the Pleasant Valley Public Water District  
Regulated Recharge Area

Agency Note: A full scale copy of this map is available for public inspection  
in the Board's office in the James R. Thompson Center, 100 W. Randolph St.,  
Suite 11-500, Chicago, Illinois 60601.



PLEASANT VALLEY REGULATED  
RECHARGE AREA  
TOWN OF 8TH PRINCIPLE WESTERN

POLLUTION CONTROL BOARD  
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Section 617. Appendix B Potential Route and Source Registration Form  
PLEASANT VALLEY PUBLIC WATER DISTRICT POTENTIAL  
SOURCE AND ROUTE REGISTRATION FORM

DATE: \_\_\_\_\_

COMPANY/FACILITY NAME: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

PHONE: ( ) \_\_\_\_\_

COMPANY/FACILITY CONTACT NAME: \_\_\_\_\_

PHONE: ( ) \_\_\_\_\_

EMERGENCY CONTACT NAME: \_\_\_\_\_

PHONE: ( ) \_\_\_\_\_

PROPERTY OWNER'S NAME: \_\_\_\_\_

PHONE: ( ) \_\_\_\_\_

PROPERTY OWNER'S ADDRESS: \_\_\_\_\_

BRIEF DESCRIPTION OF BUSINESS ACTIVITIES AND PROCESSES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BRIEF DESCRIPTION OF SPECIFIC CHEMICAL SUBSTANCES USED: \_\_\_\_\_

(Source: Added at 25 Ill. Reg. 10350 effective

\_\_\_\_\_ )

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## POLLUTION CONTROL BOARD

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1) Heading of the Part: Tiered Approach to Corrective Action Objectives2) Code Citation: 35 Ill. Adm. Code 7423) Section Numbers: Adopted Action:

742.210	Amended
742.220	Amended
742.225	Amended
742.300	Amended
742.305	Amended
742.310	Amended
742.315	Amended
742.605	Amended
742.700	Amended
742.710	Amended
742.715	Amended
742.805	Amended
742.810	Amended
742.900	Amended
742.925	Amended
742.1005	Amended
742.1015	Amended
742.1020	Amended
742.1105	Amended
APPENDIX A, TABLE A	Amended
APPENDIX A, TABLE D	Amended
APPENDIX A, TABLE E	Amended
APPENDIX A, TABLE F	Amended
APPENDIX A, TABLE H	Amended
APPENDIX B, TABLE A	Amended
APPENDIX B, TABLE B	Amended
APPENDIX B, TABLE C	Amended
APPENDIX B, TABLE D	Amended
APPENDIX B, TABLE E	Amended
APPENDIX B, TABLE F	Amended
APPENDIX C, TABLE A	Amended
APPENDIX C, TABLE B	Amended
APPENDIX C, TABLE C	Amended
APPENDIX C, TABLE D	Amended
APPENDIX C, TABLE E	Amended
APPENDIX C, TABLE I	Amended
APPENDIX C, TABLE J	Amended

4) Statutory Authority: 415 ILCS 5/22.4, 22.12, 27, and 58.55) Effective Date of Amendments: August 15, 20016) Does this rulemaking contain an automatic repeal date? No

## POLLUTION CONTROL BOARD

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7) Do these amendments contain incorporations by reference? Yes

## 8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the Board's Chicago office and is available for public inspection.

9) Notice of Proposal Published in Illinois Register: August 18, 2000, 24 Ill. Reg. 1222510) Has JCAR issued a Statement of Objection to these amendments? No11) Differences between proposal and final version: Only a few substantive changes were made. Most notable is the Board's decision to proceed separately with the TACO standards for methyl tertiary-butyl ether (MTBE). Rather than adopt these standards in this SubdoCKET B, the Board, as more fully explained in its second notice opinion, has established a SubdoCKET C that will address the proposed standards for MTBE. Accordingly, the proposed standards for MTBE have been deleted from the final set of adopted amendments.

Additionally, the Board, in response to public comment, accelerated the adoption of changes to Appendix A, Table G, which had originally been part of this SubdoCKET B. The amendments to Appendix A, Table G, involving a revision of the background levels for arsenic, were adopted by the Board on December 21, 2000, as part of R00-19, SubdoCKET A.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements letter issued by JCAR? Yes13) Will these amendments replace emergency amendments currently in effect? No14) Are there any amendments pending on this Part? No15) Summary and Purpose of Amendments: A more detailed discussion of these amendments is contained in the Board's opinion and order in R00-19(B), which the Board adopted on August 9, 2001. The opinion and order is available from the address at item (16) below.

Generally, the amendments are intended to clarify and update the TACO standards that were originally adopted by the Board in 1997. Some of these amendments involve the correction of typographical errors (including those noted by JCAR following adoption of the second notice opinion and order on June 7, 2001), the updating of scientific information, and the clarification of testing procedures. The amendments are intended to address the problems that have been encountered by both the Environmental Protection Agency and the regulated community during the actual application of the TACO standards to remediation projects from 1997 to the



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

present.

- 16) Information and questions regarding these adopted amendments shall be directed to:

Amy L. Jackson  
Illinois Pollution Control Board  
600 South Second Street  
Suite 402  
Springfield, Illinois 62704  
(217) 524-8507

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the following address: Dorothy Gunn, Clerk, Pollution Control Board, 100 West Randolph Street, Suite 11-500, Chicago, Illinois 60601. Please refer to the Docket number R00-19(B) in your request. The Board order is also available from the Board's Web site ([www.ipcb.state.il.us](http://www.ipcb.state.il.us)).

The full text of the adopted amendments begins on the next page:

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER f: RISK BASED CLEANUP OBJECTIVES

## PART 742

## TIERED APPROACH TO CORRECTIVE ACTION OBJECTIVES

## SUBPART A: INTRODUCTION

Section  
742.100  
742.105  
742.110  
742.115  
742.120

Intent and Purpose  
Applicability  
Overview of Tiered Approach  
Key Elements  
Site Characterization

## SUBPART B: GENERAL

Section  
742.200  
742.205  
742.210  
742.215  
742.220  
742.225  
742.230

Definitions  
Severability  
Incorporations by Reference  
Determination of Soil Attenuation Capacity  
Determination of Soil Saturation Limit  
Demonstration of Compliance with Remediation Objectives  
Agency Review and Approval

## SUBPART C: EXPOSURE ROUTE EVALUATIONS

Section  
742.300  
742.305  
742.310  
742.315  
742.320

Exclusion of Exposure Route  
Contaminant Source and Free Product Determination  
Inhalation Exposure Route  
Soil Ingestion Exposure Route  
Groundwater Ingestion Exposure Route

## SUBPART D: DETERMINING AREA BACKGROUND

Section  
742.400  
742.405  
742.410  
742.415

Area Background  
Determination of Area Background for Soil  
Determination of Area Background for Groundwater  
Use of Area Background Concentrations

## SUBPART E: TIER 1 EVALUATION

## POLLUTION CONTROL BOARD

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Tier 1 Evaluation Overview  
 Tier 1 Soil and Groundwater Remediation Objectives  
 Tier 1 Remediation Objectives Tables

## SUBPART F: TIER 2 GENERAL EVALUATION EVALUATION

## Section

742.600 Tier 2 Evaluation Overview  
 742.605 Land Use  
 742.610 Chemical and Site Properties

## SUBPART G: TIER 2 SOIL EVALUATION

## Section

742.700 Tier 2 Soil Evaluation Overview  
 742.705 Parameters for Soil Remediation Objective Equations  
 742.710 SSL Soil Equations  
 742.715 RBCA Soil Equations  
 742.720 Chemicals with Cumulative Noncarcinogenic Effects

## SUBPART H: TIER 2 GROUNDWATER EVALUATION

## Section

742.800 Tier 2 Groundwater Evaluation Overview  
 742.805 Tier 2 Groundwater Remediation Objectives  
 742.810 Calculations to Predict Impacts from Remaining Groundwater Contamination

## SUBPART I: TIER 3 EVALUATION EVALUATION

## Section

742.900 Tier 3 Evaluation Overview  
 742.905 Modifications of Parameters  
 742.910 Alternative Models  
 742.915 Formal Risk Assessments  
 742.920 Impractical Remediation  
 742.925 Exposure Routes  
 742.930 Derivation of Toxicological Data

## SUBPART J: INSTITUTIONAL CONTROLS

## Section

742.1000 Institutional Controls  
 742.1005 No Further Remediation Letters  
 742.1010 Environmental Land Use Controls  
 742.1012 Federally Owned Property: Land Use Control Memorandums of Agreement Ordinances  
 742.1015 Highway Authority Agreements  
 742.1020

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## SUBPART K: ENGINEERED BARRIERS

## Section

742.1100 Engineered Barriers  
 742.1105 Engineered Barrier Requirements

## APPENDIX A General

ILLUSTRATION A Developing Soil Remediation Objectives Under the Tiered Approach  
 ILLUSTRATION B Developing Groundwater Remediation Objectives Under the Tiered Approach

TABLE A Soil Saturation Limits (C[sat]) for Chemicals Whose Melting Point is Less Than 30°C

TABLE B Tolerance Factor (K)

TABLE C Coefficients [A[N-I+1]] for W Test of Normality, for N=2(1)50

TABLE D Percentage Points of the W Test for N=3(1)50

TABLE E Similar-Acting Noncarcinogenic Chemicals

TABLE F Similar-Acting Carcinogenic Chemicals

TABLE G Concentrations of Inorganic Chemicals in Background Soils

TABLE H Chemicals Whose Tier 1 Class I Groundwater Remediation Objective Exceeds the 1 in 1,000,000 Cancer Risk Concentration

## APPENDIX B Tier 1 Tables and Illustrations

ILLUSTRATION A Tier 1 Evaluation

TABLE A Tier 1 Soil Remediation Objectives for Residential Properties

TABLE B Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties

TABLE C pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class I Groundwater)

TABLE D pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class II Groundwater)

TABLE E Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route

TABLE F Values Used to Calculate the Tier 1 Soil Remediation Objectives for the Soil Component of the Groundwater Ingestion Route

## APPENDIX C Tier 2 Tables and Illustrations

ILLUSTRATION A Tier 2 Evaluation for Soil

ILLUSTRATION B Tier 2 Evaluation for Groundwater

ILLUSTRATION C US Department of Agriculture Soil Texture Classification

TABLE A SSL Equations

TABLE B SSL Parameters

TABLE C RBCA Equations

TABLE D RBCA Parameters

TABLE E Default Physical and Chemical Parameters

TABLE F Methods for Determining Physical Soil Parameters

TABLE G Error Function (erf)

TABLE H Q/C Values by Source Area

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TABLE I K[oc] Values for Ionizing Organics as a Function of pH (cm(3)/g or L/kg or cm(3)[water]/g[soil])

TABLE J Values to be Substituted for k[d] or k[s] k†s† When Evaluating Inorganics as a Function of pH (cm(3)/g or L/kg or cm(3)[water]/g[soil])

TABLE K Parameter Estimates for Calculating Water-Filled Soil Porosity (Theta[w])

AUTHORITY: Implementing Sections 22.4, 22.12, Title XVI, and Title XVII and authorized by Sections 27 and 58.5 of the Environmental Protection Act [415 ILCS 5/22.4, 22.12, 27, and 58.5 and Title XVI and Title XVII].

SOURCE: Adopted in R97-12(A) at 21 Ill. Reg. 7942, effective July 1, 1997; amended in R97-12(B) at 21 Ill. Reg. 16391, effective December 8, 1997; amended in R97-12(C) at 22 Ill. Reg. 10847, effective June 8, 1998; amended in R00-19(B) at 25 Ill. Reg. 10374, effective \_\_\_\_\_.

Note: In this Part, unless the context clearly indicates otherwise, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets; SUM means the summation series or sigma function as used in mathematics; u is substituted for the Greek Symbol for Mu and English words are substituted for other Greek symbols because of computer program limitations.

## SUBPART B: GENERAL

## Section 742.210 Incorporations by Reference

- a) The Board incorporates the following material by reference:

ASTM. American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103 (215) 299-5400.

ASTM D 2974-87, Standard Test Methods for Moisture, Ash and Organic Matter of Peat and Other Organic Soils, approved May 29, 1987 (reapproved 1995).

ASTM D 2488-93, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), approved September 15, 1993.

ASTM D 1556-90, Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method, approved June 29, 1990.

ASTM D 2167-94, Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method, approved March 15, 1994.

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ASTM D 2922-91, Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth), approved December 23, 1991.

ASTM D 2937-94, Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method, approved June 15, 1994.

ASTM D 854-92, Standard Test Method for Specific Gravity of Soils, approved November 15, 1992.

ASTM D 2216-92, Standard Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock, approved June 15, 1992.

ASTM D 4959-89, Standard Test Method for Determination of Water (Moisture) Content of Soil by Direct Heating Method, approved June 30, 1989 (reapproved 1994).

ASTM D 4643-93, Standard Test Method for Determination of Water (Moisture) Content of Soil by the Microwave Oven Method, approved July 15, 1993.

ASTM D 5084-90, Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter, approved June 29, 1990.

ASTM D 422-63, Standard Test Method for Particle-Size Analysis of Soils, approved November 21, 1963 (reapproved 1990).

ASTM D 1140-92, Standard Test Method for Amount of Material in Soils Finer than the No. 200 (75 um) Sieve, approved November 15, 1992.

ASTM D 3017-88, Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth), approved May 27, 1988.

ASTM D 4525-90, Standard Test Method for Permeability of Rocks by Flowing Air, approved May 25, 1990.

ASTM D 2487-93, Standard Test Method for Classification of Soils for Engineering Purposes, approved September 15, 1993.

ASTM E 1527-93, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, approved March 15, 1993. Vol. 11.04.

ASTM E 1739-95, Standard Guide for Risk-Based Corrective Action



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Applied at Petroleum Release Sites, approved September 10, 1995.

Barnes, Donald G. and Dourson, Michael. (1988). Reference Dose (RfD): Description and Use in Health Risk Assessments. Regulatory Toxicology and Pharmacology. 8, 471-486.

GPO. Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20401, (202) 783-3238.

USEPA Guidelines for Carcinogenic Risk Assessment, 51 Fed. Reg. 33992-34003 (September 24, 1986).

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA Publication number SW-846 (Third Edition, Final Update IIIA, April 1998 Final-Update-III-December-1996), as amended by Updates I, IIA, and III, and IIIA (Document No. 955-001-00000-1) (contact-USEPA, Office of Solid-Waste-for-Update III).

"Methods for the Determination of Organic Compounds in Drinking Water", EPA Publication No. EPA/600/4-88/039 (December 1988 (Revised July 1991)).

"Methods for the Determination of Organic Compounds in Drinking Water, Supplement II", EPA Publication No. EPA/600/R-92/129 (August 1992).

"Methods for the Determination of Organic Compounds in Drinking Water, Supplement III", EPA Publication No. EPA/600/R-95/131 (August 1995).

IRIS. Integrated Risk Information System, National Center for Environmental Assessment, U.S. Environmental Protection Agency, 26 West Martin Luther King Drive, MS-190, Cincinnati, OH 45268. (513) 569-7254.

"Reference Dose (RfD): Description and Use in Health Risk Assessments", Background Document 1A (March 15, 1993).

"EPA Approach for Assessing the Risks Associated with Chronic Exposures to Carcinogens", Background Document 2 (January 17, 1992).

Nelson, D.W., and L.E. Sommers. (1982). Total carbon, organic carbon, and organic matter. In: A.L. Page (ed.), Methods of Soil Analysis. Part 2. Chemical and Microbiological Properties. 2nd Edition, pp. 539-579, American Society of Agronomy. Madison, WI.

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NTIS. National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4600.

"Dermal Exposure Assessment: Principles and Applications", EPA Publication No. EPA/600/8-91/011B (January 1992).

"Exposure Factors Handbook", EPA Publication No. EPA/600/8-89/043 (July 1989).

"Risk Assessment Guidance for Superfund, Vol. I; Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors", OSWER Directive 9285.6-03 (March 1991).

"Rapid Assessment of Exposure to Particulate Emissions from Surface Contamination Sites", EPA Publication No. EPA/600/8-85/002 (February 1985), PB 85-192219.

"Risk Assessment Guidance for Superfund, Volume I; Human Health Evaluation Manual (Part A)", Interim Final, EPA Publication No. EPA/540/1-89/002 (December 1989).

"Risk Assessment Guidance for Superfund, Volume I; Human Health Evaluation Manual, Supplemental Guidance, Dermal Risk Assessment Interim Guidance", Draft (August 18, 1992).

"Soil Screening Guidance: Technical Background Document", EPA Publication No. EPA/540/R-95/128, PB 96-963502 (May 1996).

"Soil Screening Guidance: User's Guide", EPA Publication No. EPA/540/R-96/018, PB 96-963505 (April 1996).

"Superfund Exposure Assessment Manual", EPA Publication No. EPA/540/1-88/001 (April 1988).

RCRA Facility Investigation Guidance, Interim Final, developed by USEPA (EPA 530/SW-89-031), 4 volumes (May 1989).

b) CFR (Code of Federal Regulations). Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, (202)783-3238:

40 CFR 761-120 (1998) (4993).

c) This Section incorporates no later editions or amendments.

(Source: Amended at 25 Ill. Reg. 10374, effective 10/1/94)

Section 742.220 Determination of Soil Saturation Limit

## POLLUTION CONTROL BOARD

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- a) For any organic contaminant that has a melting point below 30°C, the remediation objective for the inhalation exposure route developed under Tier 2 or Tier-3 shall not exceed the soil saturation limit, as determined under subsection (c) of this Section.
- b) For any organic contaminant, the remediation objective under Tier 2 or Tier-3 for the soil component of the groundwater ingestion exposure route shall not exceed the soil saturation limit, as determined under subsection (c) of this Section.
- c) The soil saturation limit shall be:
- 1) The value listed in Appendix A, Table A for that specific contaminant;
  - 2) A value derived from Equation S29 in Appendix C, Table A; or
  - 3) A value derived from another method approved by the Agency.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## Section 742.225 Demonstration of Compliance with Remediation Objectives

Compliance is achieved if each sample result does not exceed that respective remediation objective unless a person elects to proceed under subsections (c), (d) and (e) of this Section.

- a) Compliance with groundwater remediation objectives developed under Subparts D through F and H through I shall be demonstrated by comparing the contaminant concentrations of discrete samples at each sample point to the applicable groundwater remediation objective. Sample points shall be determined by the program under which remediation is performed.
- b) Unless the person elects to composite samples or average sampling results as provided in subsections (c) and (d) of this Section, compliance with soil remediation objectives developed under Subparts D through G and I shall be demonstrated by comparing the contaminant concentrations of discrete samples to the applicable soil remediation objective.
  - 1) Except as provided in subsections (c) and (d) of this Section, compositing of samples is not allowed.
  - 2) Except as provided in subsections (c) and (d) of this Section, averaging of sample results is not allowed.
  - 3) Notwithstanding subsections (c) and (d) of this Section, compositing of samples and averaging of sample results is not allowed for the construction worker population.
  - 4) The number of sampling points required to demonstrate compliance is determined by the requirements applicable to the program under which remediation is performed.
- c) If a person chooses to composite soil samples or average soil sample results to demonstrate compliance relative to the soil component of the groundwater ingestion exposure route, the following requirements apply:

## POLLUTION CONTROL BOARD

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- 1) A minimum of two sampling locations for every 0.5 acre of contaminated area is required, with discrete samples at each sample location obtained at every two feet of depth, beginning at six inches below the ground surface and continuing through the zone of contamination. Alternatively, a sampling method may be approved by the Agency based on an appropriately designed site-specific evaluation. Samples obtained at or below the water table shall not be used in compositing or averaging.
- 2) For contaminants of concern other than volatile organic contaminants:
  - A) Discrete samples from the same boring may be composited.
  - B) Discrete sample results from the same boring may be averaged.
- 3) For volatile organic contaminants:
  - A) Compositing of samples is not allowed.
  - B) Discrete sample results from the same boring may be averaged.
- d) If a person chooses to composite soil samples or average soil sample results to demonstrate compliance relative to the inhalation exposure route or ingestion exposure route, the following requirements apply:
  - 1) A person shall submit a sampling plan for Agency approval, based upon a site-specific evaluation;
  - 2) For volatile organic compounds, compositing of samples is not allowed; and
  - 3) All samples shall be collected within the contaminated area.
- e) When averaging under this Section, if no more than 50% of sample results are reported as "non-detect", "no contamination", "below detection limits", or similar terms, such results shall be included in the averaging calculation as one-half of the reported analytical detection limit for the contaminant. However, when performing a test for normal or lognormal distribution for the purpose of calculating a 95% Upper Confidence Limit of the mean for a contaminant, a person may substitute for each non-detect value a randomly generated value between, but not including, zero and the reported analytical detection limit. If more than 50% of sample results are "non-detect", another statistically valid procedure approved by the Agency may be used to determine an average.
- f) All soil samples collected after the effective date of this subsection (f) shall be reported on a dry weight basis for the purpose of demonstrating compliance, with the exception of the TCLP and SPLP and the property pH.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART C: EXPOSURE ROUTE EVALUATIONS

## Section 742.300 Exclusion of Exposure Route

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- a) This Subpart sets forth requirements to demonstrate that an actual or potential impact to a receptor or potential receptor from a contaminant of concern can be excluded from consideration from one or more exposure routes. If an evaluation under this Subpart Part demonstrates the applicable requirements for excluding an exposure route are met, then the exposure route is excluded from consideration and no remediation objective(s) need be developed for that exposure route.
- b) No exposure route may be excluded from consideration until characterization of the extent and concentrations of contaminants of concern at a site has been performed. The actual steps and methods taken to characterize a site shall be determined by the specific program requirements under which the site remediation is being addressed.
- c) As an alternative to the use of the requirements in this Subpart Part, a person may use the procedures for evaluation of exposure routes under Tier 3 as set forth in Section 742.925.
- (Source: Amended at 25 Ill. Reg. 10374.3, effective \_\_\_\_\_)

Section 742.305 Contaminant Source and Free Product Determination

- No exposure route shall be excluded from consideration relative to a contaminant of concern unless the following requirements are met:
- a) The sum of the concentrations of all organic contaminants of concern shall not exceed the attenuation capacity of the soil as determined under Section 742.215;
- b) The concentrations of any organic contaminants of concern remaining in the soil shall not exceed the soil saturation limit as determined under Section 742.220;
- c) Any soil which contains contaminants of concern shall not exhibit any of the characteristics of reactivity for hazardous waste as determined under 35 Ill. Adm. Code 721.123;
- d) Any soil which contains contaminants of concern shall not exhibit a pH less than or equal to 2.0 or greater than or equal to 12.5, as determined by SW-846 Method 9040B: pH Electrometric for soils with 20% or greater aqueous (moisture) content or by SW-846 Method 9045C: Soil pH for soils with less than 20% aqueous (moisture) content as incorporated by reference in Section 742.210; and
- e) Any soil which contains contaminants of concern in the following list of inorganic chemicals or their salts shall not exhibit any of the characteristics of toxicity for hazardous waste as determined by 35 Ill. Adm. Code 721.124, or an alternative method approved by the Agency: arsenic, barium, cadmium, chromium, lead, mercury, selenium or silver; and
- f) If contaminants of concern include polychlorinated biphenyls (PCBs), the concentration of any PCBs in the soil shall not exceed 50 parts

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per million as determined by SW-846 Methods.  
(Source: Amended at 25 Ill. Reg. 10374.3, effective \_\_\_\_\_)

Section 742.310 Inhalation Exposure Route

The inhalation exposure route may be excluded from consideration if:

- a) The requirements of Sections 742.300 and 742.305 are met; and
- b) An approved engineered barrier is in place that meets the requirements of Subpart K;
- c) Safety precautions for the construction worker are taken if the Tier 1 construction worker remediation objectives are exceeded; and
- d) An institutional control, in accordance with Subpart J, will be placed on the property.
- b) An institutional control, in accordance with Subpart J, is in place that meets the following requirements:
- i) Either:

- A) The concentration of any contaminant of concern within ten feet of the land surface or within ten feet of any man-made pathway shall not exceed the Tier 1 remediation objective under Subpart B for the inhalation exposure route; or
- B) An engineered barrier, as set forth in Subpart K and approved by the Agency, is in place; and
- 2) Requires safety precautions for the construction worker if the Tier 1 construction worker remediation objectives are exceeded.

(Source: Amended at 25 Ill. Reg. 10374.3, effective \_\_\_\_\_)

Section 742.315 Soil Ingestion Exposure Route

The soil ingestion exposure route may be excluded from consideration if:

- a) The requirements of Sections 742.300 and 742.305 are met; and
- b) An approved engineered barrier is in place that meets the requirements of Subpart K;
- c) Safety precautions for the construction worker are taken if the Tier 1 construction worker remediation objectives are exceeded; and
- d) An institutional control, in accordance with Subpart J, will be placed on the property.
- b) An institutional control, in accordance with Subpart J, is in place that meets the following requirements:
- i) Either:

- A) The concentration of any contaminant of concern within three feet of the land surface shall not exceed the Tier 1 remediation objective under Subpart B for the ingestion of soil exposure route; or
- B) An engineered barrier, as set forth in Subpart K and



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**approved-by-the-Agency-is-in-place-and  
2) Requires-safety-precautions-for-the-construction-worker--if--the  
Tier-1-construction-worker-remediation-objectives-are-exceeded:**

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART F: TIER 2 GENERAL EVALUATION

## Section 742.605 Land Use

a) Present and post-remediation land use is evaluated in a Tier 2 evaluation. Acceptable exposure factors for the Tier 2 evaluation for residential, industrial/commercial, and construction worker populations are provided in the far right column of both Appendix C, Tables B and D. Use of exposure factors different from those in Appendix C, Tables B and D must be approved by the Agency as part of a Tier 3 evaluation.

b) If a Tier 2 evaluation is based on an industrial/commercial property use, then:

- 1) Construction worker populations shall also be evaluated; and
- 2) Institutional controls are required in accordance with Subpart J.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART G: TIER 2 SOIL EVALUATION

## Section 742.700 Tier 2 Soil Evaluation Overview

a) Tier 2 remediation objectives are developed through the use of models which allow site-specific data to be considered. Appendix C, Tables A and C list equations that shall be used under a Tier 2 evaluation to calculate soil remediation objectives prescribed by SSL and RBCA models, respectively. (See also Appendix C, Illustration A.)

b) Appendix C, Table A lists equations that are used under the SSL model. (See also Appendix C, Illustration A.) The SSL model has equations to evaluate the following human exposure routes:

- 1) Soil ingestion exposure route;
- 2) Inhalation exposure route for:
  - A) Organic contaminants: Vegetables;
  - B) Fugitive dust; and
- 3) Soil component of the groundwater ingestion exposure route.

c) Evaluation of the dermal exposure route is not required under the SSL model.

d) Appendix C, Table C lists equations that are used under the RBCA model. (See also Appendix C, Illustration A.) The RBCA model has equations to evaluate human exposure based on the following:

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- 1) The combined exposure routes of inhalation of vapors and particulates, soil ingestion and dermal contact with soil;
- 2) The ambient vapor inhalation (outdoor) route from subsurface soils;
- 3) Soil component of the groundwater ingestion route; and
- 4) Groundwater ingestion exposure route.

e) The equations in either Appendix C, Table A or C may be used to calculate remediation objectives for each contaminant of concern under Tier 2, if the following requirements are met:

- 1) The Tier 2 soil remediation objectives for the ingestion and inhalation exposure routes shall use the applicable equations from the same approach (i.e., SSL equations in Appendix C, Table C).

- 2) The equations used to calculate soil remediation objectives for the soil component of the groundwater ingestion exposure route are not dependent on the approach utilized to calculate soil remediation objectives for the other exposure routes. For example, it is acceptable to use the SSL equations for calculating Tier 2 soil remediation objectives for the ingestion and inhalation exposure routes, and the RBCA equations for calculating Tier 2 soil remediation objectives for the soil component of the groundwater ingestion exposure route.

- 3) Combining equations from Appendix C, Tables A and C to form a new model is not allowed. In addition, Appendix C, Tables A and C must use their own applicable parameters identified in Appendix C, Tables B and D, respectively.

f) In calculating soil remediation objectives for industrial/commercial property use, applicable calculations shall be performed twice: once using industrial/commercial population default values and once using construction worker population default values. The more stringent soil remediation objectives derived from these calculations must be used for further Tier 2 evaluations.

g) Tier 2 data sheets provided by the Agency shall be used to present calculated Tier 2 remediation objectives, if required by the particular program for which remediation is being performed.

h) The RBCA equations which rely on the parameter Soil Water Sorption Coefficient (K<sub>sw</sub>) can only be used for ionizing organics and inorganics by substituting values for K<sub>sw</sub> from Appendix C, Tables I and J, respectively. This will also require the determination of a site-specific value for soil pH.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## Section 742.710 SSL Soil Equations

- a) This Section sets forth the equations and parameters used to develop Tier 2 soil remediation objectives for the three exposure routes using

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## the SSL approach.

- b) Soil Ingestion Exposure Route
  - 1) Equations S1 through S3 form the basis for calculating Tier 2 remediation objectives for the soil ingestion exposure route using the SSL approach. Equation S1 is used to calculate soil remediation objectives for noncarcinogenic contaminants. Equations S2 and S3 are used to calculate soil remediation objectives for carcinogenic contaminants for residential populations and industrial/commercial and construction worker populations, respectively.
  - 2) For Equations S1 through S3, the SSL default values cannot be modified with site-specific information.
- c) Inhalation Exposure Route
  - 1) Equations S4 through S16, S26 and S27 are used to calculate Tier 2 soil remediation objectives for the inhalation exposure route using the SSL approach. To address this exposure route, organic contaminants and mercury ~~values~~ must be evaluated separately from fugitive dust using their own equations set forth in subsections (c)(2) and (c)(3) of this Section, respectively.

2) Organic Contaminants ~~Values~~

- A) Equations S4 through S10 are used to calculate Tier 2 soil remediation objectives for organic ~~values~~ contaminants and mercury based on the inhalation exposure route. Equation S4 is used to calculate soil remediation objectives for noncarcinogenic organic ~~values~~ contaminants in soil for residential and industrial/commercial populations. Equation S5 is used to calculate soil remediation objectives for noncarcinogenic organic ~~values~~ contaminants and mercury in soil for construction worker populations. Equation S6 is used to calculate soil remediation objectives for carcinogenic organic ~~values~~ contaminants in soil for residential and industrial/commercial populations. Equation S7 is used to calculate soil remediation objectives for carcinogenic organic ~~values~~ contaminants in soil for construction worker populations. Equations S8 through S10, S27 and S28 are used for calculating numerical values for some of the parameters in Equations S4 through S7.
- B) For Equation S4, a numerical value for the Volatilization Factor (VF) can be calculated in accordance with subsection (c)(2)(F) of this Section. The remaining parameters in Equation S4 have either SSL default values listed in Appendix C, Table B or toxicological-specific information (i.e., RFC), which can be obtained from IRIS or requested from the program under which the remediation is being performed.
- C) For Equation S5, a numerical value for the Volatilization Factor adjusted for Agitation (VF') can be calculated in accordance with subsection (c)(2)(G) of this Section. The

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- D) For Equation S6, a numerical value for VF can be calculated in accordance with subsection (c)(2)(F) of this Section. The remaining parameters in Equation S6 have either default values listed in Appendix C, Table B or toxicological-specific information (i.e., URF), which can be obtained from IRIS or requested from the program under which the remediation is being performed.
- E) For Equation S7, a numerical value for VF' can be calculated in accordance with subsection (c)(2)(G) of this Section. The remaining parameters in Equation S7 have either default values listed in Appendix C, Table B or toxicological-specific information (i.e., URF), which can be obtained from IRIS or requested from the program under which the remediation is being performed.
- F) The VF can be calculated for residential and industrial/commercial populations using one of the following equations based on the information known about the contaminant source and receptor population:
  - i) Equation S8, in conjunction with Equation S10, is used to calculate VF assuming an infinite source of contamination; or
  - ii) If the area and depth of the contaminant source are known or can be estimated reliably, mass limit considerations may be used to calculate VF using Equation S26.
- G) The VF' can be calculated for the construction worker populations using one of the following equations based on the information known about the contaminant source:
  - i) Equation S9 is used to calculate VF' assuming an infinite source of contamination; or
  - ii) If the area and depth of the contaminant source are known or can be estimated reliably, mass limit considerations may be used to calculate VF' using Equation S27.

## 3) Fugitive Dust

- A) Equations S11 through S16 are used to calculate Tier 2 soil remediation objectives using the SSL fugitive dust model for the inhalation exposure route. Equation S11 is used to calculate soil remediation objectives for noncarcinogenic contaminants in fugitive dust for residential and industrial/commercial populations. Equation S12 is used to calculate soil remediation objectives for noncarcinogenic contaminants in fugitive dust for construction worker

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populations. Equation S13 is used to calculate soil remediation objectives for carcinogenic contaminants in fugitive dust for residential and industrial/commercial populations. Equation S14 is used to calculate soil remediation objectives for carcinogenic contaminants in fugitive dust for construction worker populations. Equations S15 and S16 are used for calculating numerical quantities for some of the parameters in Equations S11 through S14.

- B) For Equation S11, a numerical value can be calculated for the Particulate Emission Factor (PEF) using Equation S15. This equation relies on various input parameters from a variety of sources. The remaining parameters in Equation S11 have either SSL default values listed in Appendix C, Table B or toxicological-specific information (i.e., RfC), which can be obtained from IRIS or requested from the program under which the remediation is being performed.
- C) For Equation S12, a numerical value for the Particulate Emission Factor for Construction Worker (PEF') can be calculated using Equation S16. The remaining parameters in Equation S12 have either SSL default values listed in Appendix C, Table B or toxicological-specific information (i.e., RfC), which can be obtained from IRIS or requested from the program under which the remediation is being performed.

- D) For Equation S13, a numerical value for PEF can be calculated using Equation S15. The remaining parameters in Equation S13 have either default values listed in Appendix C, Table B or toxicological-specific information (i.e., URf), which can be obtained from IRIS or requested from the program under which the remediation is being performed.

- E) For Equation S14, a numerical value for PEF' can be calculated using Equation S16. The remaining parameters in Equation S14 have either default values listed in Appendix C, Table B or toxicological-specific information (i.e., URf), which can be obtained from IRIS or requested from the program under which the remediation is being performed.

- d) Soil Component of the Groundwater Ingestion Exposure Route
- The Tier 2 remediation objective for the soil component of the groundwater ingestion exposure route can be calculated using one of the following equations based on the information known about the contaminant source and receptor population:

- 1) Equation S17 is used to calculate the remediation objective assuming an infinite source of contamination.

- A) The numerical quantities for four parameters in Equation S17, the Target Soil Leachate Concentration (C<sub>lw</sub>), Soil-Water Partition Coefficient (K<sub>d</sub>) for non-ionizing organics, Water-Filled Soil Porosity ( $\Theta_{\text{w}}$ ) and

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Air-Filled Soil Porosity ( $\Theta_{\text{a}}$ ), are calculated using Equations S18, S19, S20 and S21, respectively. Equations S22, S23, S24 and S25 are also needed to calculate numerical values for Equations S18 and S21. The pH-dependent K<sub>d</sub> for ionizing organics can be calculated using Equation S19 and the pH-dependent K<sub>oc</sub> values in Appendix C, Table I.

- B) The remaining parameters in Equation S17 are Henry's Law Constant (H'), a chemical specific value listed in Appendix C, Table E and Dry Soil Bulk Density ( $\rho_{\text{b}}$ ), a site-specific based value listed in Appendix C, Table B.

- C) The default value for GW[obj] is the Tier 1 groundwater objective. For chemicals for which there is no Tier 1 groundwater remediation objective, the value for GW[obj] shall be the Health-Advisory concentration determined according to the procedures specified in 35 Ill. Adm. Code 620, Subpart F. As an alternative to using Tier 1 groundwater remediation objectives or Health-Advisory concentrations determined according to the procedures specified in 35 Ill. Adm. Code 620, Subpart F.7 GW[obj] may be developed using Equations R25 and R26, if approved institutional controls are in place as required in Subpart J.

- 2) If the area and depth of the contaminant source are known or can be estimated reliably, mass limit considerations may be used to calculate the remediation objective for this exposure route using Equation S28. The parameters in Equation S28 have default values listed in Appendix C, Table B.

(Source: Amended at 25 Ill. Reg. 103747 effective 11/1/01)

## Section 742.715 RBCA Soil Equations

- a) This Section presents the RBCA model and describes the equations and parameters used to develop Tier 2 soil remediation objectives.

- b) Ingestion, Inhalation, and Dermal Contact

- 1) The two sets of equations in subsections (b)(2) and (b)(3) of this Section shall be used to generate Tier 2 soil remediation objectives for the combined ingestion, inhalation, and dermal contact with soil exposure routes.

- 2) Combined Exposure Routes of Soil Ingestion, Inhalation of Vapors and Particulates, and Dermal Contact with Soil

- A) Equations R1 and R2 form the basis for deriving Tier 2 remediation objectives for the set of equations that evaluates the combined exposure routes of soil ingestion, inhalation of vapors and particulates, and dermal contact with soil using the RBCA approach. Equation R1 is used to



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calculate soil remediation objectives for carcinogenic contaminants. Equation R2 is used to calculate soil remediation objectives for noncarcinogenic contaminants. Soil remediation objectives for the ambient vapor inhalation (outdoor) route from subsurface soils must also be calculated in accordance with the procedures outlined in subsection (b)(3) of this Section and compared to the values generated from Equations R1 or R2. The smaller value (i.e., R1 and R2 compared to R7 and R8, respectively) from these calculations is the Tier 2 soil remediation objective for the combined exposure routes of soil ingestion, inhalation, and dermal contact with soil.

- B) In Equation R1, numerical values are calculated for two parameters:

- i) The volatilization factor for surficial soils (VF[ss]) using Equations R3 and R4; and
- ii) The volatilization factor for subsurface soils regarding particulates (VF[p]) using Equation R5.

- C) VF[ss] uses Equations R3 and R4 to derive a numerical value. Equation R3 requires the use of Equation R6. Both equations must be used to calculate the VF[ss]. The lowest calculated value from these equations must be substituted into Equation R1.

- D) The remaining parameters in Equation R1 have either default values listed in Appendix C, Table D or toxicological-specific information (i.e., SF[ol], SF[il]), which can be obtained from IRIS or requested from the program under which the remediation is being performed.

- E) For Equation R2, the parameters VF[ss] and VF[p] are calculated. The remaining parameters in Equation R2 have either default values listed in Appendix C, Table D or toxicological-specific information (i.e., RfD[ol], RfD[il]), which can be obtained from IRIS or requested from the program under which the remediation is being performed.

- F) For chemicals other than inorganics which do not have default values for the dermal absorption factor (RAF[d]) in Appendix C, Table D, a dermal absorption factor of 0.5 shall be used for Equations R1 and R2. For inorganics, dermal absorption may be disregarded (i.e., RAF[d]=0).

- 3) Ambient Vapor Inhalation (outdoor) route from Subsurface Soils (soil below one meter)

- A) Equations R7 and R8 form the basis for deriving Tier 2 remediation objectives for the ambient vapor inhalation (outdoor) route from subsurface soils using the RBCA approach. Equation R7 is used to calculate soil remediation objectives for carcinogenic contaminants. Equation R8 is used to calculate soil remediation objectives for noncarcinogenic contaminants.

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- B) For Equation R7, the carcinogenic risk-based screening level for air (RBS[air]) and the volatilization factor for soils below one meter to ambient air (VF[samb]) have numerical values that are calculated using Equations R9 and R11, respectively. Both equations rely on input parameters from a variety of sources.

- C) The noncarcinogenic risk-based screening level for air (RBS[air]) and the volatilization factor for soils below one meter to ambient air (VF[samb]) in Equation R8 have numerical values that can be calculated using Equations R10 and R11, respectively.

- c) Soil Component of the Groundwater Ingestion Exposure Route

- 1) Equation R12 forms the basis for deriving Tier 2 remediation objectives for the soil component of the groundwater ingestion exposure route using the RBCA approach. The parameters, groundwater at the source (GW[source]) and Leaching Factor (LF[sw]), have numerical values that are calculated using Equations R13 and R14, respectively.

- 2) Equation R13 requires numerical values that are calculated using Equation R15.

- 3) Equation R14 requires numerical values that are calculated using Equations R21, R22, and R24. For non-ionizing organics, the Soil Water Sorption Coefficient ( $k[s]$ ) shall be calculated using Equation R20. For ionizing organics and inorganics, the values for  $k[s]$  are listed in Appendix C, Tables I and J, respectively. The pH dependent  $k[s]$  values for ionizing organics can be calculated using Equation R20 and the pH-dependent  $K[oc]$  values in Appendix C, Table I. The remaining parameters in Equation R14 are field measurements or default values listed in Appendix C, Table D.

- d) The default value for GW[comp] is the Tier 1 groundwater remediation objective. For chemicals for which there is no Tier 1 groundwater remediation objective, the value for GW[comp] shall be the Health Advisory concentration determined according to the procedures specified in 35 Ill. Adm. Code 620, Subpart F. As an alternative to using the above Tier-1 groundwater remediation objectives or Health Advisory concentrations, GW[comp] may be developed using Equations R25 and R26, if approved institutional controls are in place as may be required in Subpart J.

(Source: Amended at 25 Ill. Reg. 10394, effective           )

## SUBPART H: TIER 2 GROUNDWATER EVALUATION

## Section 742.805 Tier 2 Groundwater Remediation Objectives

- a) To develop a groundwater remediation objective under this Section that

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exceeds the applicable Tier 1 groundwater remediation objective, or for which there is no Tier 1 groundwater remediation objective, a person may request approval from the Agency if the person has performed the following:

- 1) Identified the horizontal and vertical extent of groundwater for which the Tier 2 groundwater remediation objective is sought;
- 2) Taken corrective action, to the maximum extent practicable to remove any free product;
- 3) Using Equation R26 in accordance with Section 742.810, demonstrated that the concentration of any contaminant of concern in groundwater will meet:

- A) The applicable Tier 1 groundwater remediation objective at the point of human exposure; or
- B) For any contaminant of concern for which there is no Tier 1 groundwater remediation objective, the ~~Health--Advisory~~ concentration determined according to the procedures specified in 35 Ill. Adm. Code 6207-Subpart-F at the point of human exposure. A person may request the Agency to provide these concentrations or may propose these concentrations under Subpart I;

- 4) Using Equation R26 in accordance with Section 742.810, demonstrated that the concentration of any contaminant of concern in groundwater within the minimum or designated maximum setback zone of an existing potable water supply well will meet the applicable Tier 1 groundwater remediation objective or if there is no Tier 1 groundwater remediation objective, the ~~Health Advisory~~ concentration determined according to the procedures specified in 35 Ill. Adm. Code 620. A person may request the Agency to provide these concentrations or may propose these concentrations under Subpart I;

- 5) Using Equation R26 in accordance with Section 742.810, demonstrated that the concentration of any contaminant of concern in groundwater discharging into a surface water will meet the applicable water quality standard under 35 Ill. Adm. Code 302;
- 6) Demonstrated that the source of the release is not located within the minimum or designated maximum setback zone or within a regulated recharge area of an existing potable water supply well; and

- 7) If the selected corrective action includes an engineered barrier as set forth in Subpart K to minimize migration of contaminant of concern from the soil to the groundwater, demonstrated that the engineered barrier will remain in place for post-remediation land use through an institutional control as set forth in Subpart J.

- b) A groundwater remediation objective that exceeds the water solubility of that chemical (refer to Appendix C, Table E for solubility values) is not allowed.
- c) The contaminants of concern for which a Tier 1 remediation objective has been developed shall be included in any mixture of similar-acting

chemicals under consideration in Tier 2. The evaluation of 35 Ill. Adm. Code 620.615 regarding mixtures of similar-acting chemicals shall be considered satisfied for Class 1 groundwater at the point of human exposure if either of the following requirements are achieved:

- 1) Calculate the weighted average using the following equations:

$$W[\text{ave}] = \frac{x[1]}{\text{CUO}[x[1]]} + \frac{x[2]}{\text{CUO}[x[2]]} + \frac{x[3]}{\text{CUO}[x[3]]} + \dots + \frac{x[a]}{\text{CUO}[x[a]]}$$

where:

$W[\text{ave}]$  = Weighted Average

$x[1]$  through  $x[a]$  = Concentration of each individual contaminant at the location of concern. Note that, depending on the target organ, the actual number of contaminants will range from 2 to 14.

$\text{CUO}[x[a]]$  = A Tier 1 or Tier 2 remediation objective must be developed for each  $x[a]$ .

A) If the value of the weighted average calculated in accordance with the equations above is less than or equal to 1.0, then the remediation objectives are met for those chemicals.

B) If the value of the weighted average calculated in accordance with the equations above is greater than 1.0, then additional remediation must be carried out until the level of contaminants remaining in the remediated area have a weighted average calculated in accordance with the equation above less than or equal to one; or

- 2) Divide each individual chemical's remediation objective by the number of chemicals in that specific target organ group that were detected at the site. Each of the contaminant concentrations at the site is then compared to the remediation objectives that have been adjusted to account for this potential additivity.
- d) The evaluation of 35 Ill. Adm. Code 620.615 regarding mixtures of similar-acting chemicals are considered satisfied if the cumulative risk from any contaminant(s) of concern listed in Appendix A, Table H, plus any other contaminant(s) of concern detected in groundwater and listed in Appendix A, Table F as affecting the same target organ/organ system as the contaminant(s) of concern detected from Appendix A, Table H, does not exceed 1 in 10,000.

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(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

### Section 742.810 Calculations to Predict Impacts from Remaining Groundwater Contamination

a) Equation R26 predicts the contaminant concentration along the centerline of a groundwater plume emanating from a vertical planar source in the aquifer (dimensions  $S[w]$  wide and  $S[d]$  deep). This model accounts for both three-dimensional dispersion ( $x$  is the direction of groundwater flow,  $y$  is the other horizontal direction, and  $z$  is the vertical direction) and biodegradation.

1) The parameters in this equation are:

$X$  = distance from the planar source to the location of concern, along the centerline of the groundwater plume (i.e.,  $y=0$ ,  $z=0$ )

$C[x]$  = the concentration of the contaminant at a distance  $X$  from the source, along the centerline of the plume

$C[\text{source}]$  = the greatest potential concentration of the contaminant of concern in the groundwater at the source of the contamination, based on the concentrations of contaminants in groundwater due to the release and the projected concentration of the contaminant migrating from the soil to the groundwater. As indicated above, the model assumes a planar source discharging groundwater at a concentration equal to  $C[\text{source}]$ .

$\text{Alpha}[x]$  = dispersivity in the  $x$  direction (i.e., Equation R16)

$\text{Alpha}[y]$  = dispersivity in the  $y$  direction (i.e., Equation R17)

$\text{Alpha}[z]$  = dispersivity in the  $z$  direction (i.e., Equation R18)

$U$  = specific discharge (i.e., actual groundwater flow velocity through a porous medium; takes into account the fact that the groundwater actually flows only through the pores of the subsurface materials)

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where the aquifer hydraulic conductivity ( $K$ ), the hydraulic gradient ( $I$ ) and the total soil porosity ( $\text{Theta}[T]$ ) must be known (i.e., Equation R19)

$\text{Lambda}$  = first order degradation constant obtained from Appendix C, Table E or from measured groundwater data

$S[w]$  = width of planar groundwater source in the  $y$  dire

$S[d]$  = depth of planar groundwater source in the  $z$  dire

2) The following parameters are determined through field measurements:  $U$ ,  $K$ ,  $I$ ,  $\text{Theta}[T]$ ,  $S[w]$ ,  $S[d]$ .

A) The determination of values for  $U$ ,  $K$ ,  $I$  and  $\text{Theta}[T]$  can be obtained through the appropriate laboratory and field techniques;

B) From the immediate down-gradient edge of the source of the groundwater contamination values for  $S[w]$  and  $S[d]$  shall be determined.  $S[w]$  is defined as the width of groundwater at the source which exceeds the Tier 1 groundwater remediation objective.  $S[d]$  is defined as the depth of groundwater at the source which exceeds the Tier 1 groundwater remediation objective; and

C) Total soil porosity can also be calculated using Equation R23.

b) Once values are obtained for all the input parameters identified in subsection (a) of this Section, the contaminant concentration  $C[x]$  along the centerline of the plume at a distance  $X$  from the source shall be calculated so such that  $X$  is that the distance from the down-gradient edge of the source of the contamination at the site to the point where the contaminant concentration is equal to the Tier 1 groundwater remediation objective or Health-Advisory concentration determined according to the procedures specified in 35 Ill. Adm. Code 620, Subpart F.

1) If there are any potable water supply wells located within the calculated distance  $X$ , then the Tier 1 groundwater remediation objective or concentration shall be met at the edge of the minimum or designated maximum setback zone of the nearest potable water supply down-gradient of the source. To demonstrate that a minimum or maximum setback zone of a potable water supply well will not be impacted above the applicable Tier 1 groundwater remediation objective,  $X$  shall be the distance from the  $C[\text{source}]$  location to the edge of the setback zone. If there are any potable water supply wells located within the calculated distance  $X$ , then the Tier 1 groundwater remediation objective or Health-Advisory concentration shall be met at the edge of the minimum or



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~~designated--maximum--setback--zone--of--the--nearest--potable--water--supply--down--gradient--of--the--source--if--no--potable--water--supply--wells--exist--within--the--calculated--distance--X--then--it--can--be--determined--that--no--existing--potable--water--supply--wells--are--adversely--impacted;~~

- 2) To demonstrate that no surface water is adversely impacted, X shall be the distance from the down-gradient edge of the source of the contamination ~~at--the~~ site to the nearest surface water body. This calculation must show that the contaminant in the groundwater at this location (C(x)) does not exceed the applicable water quality standard.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART I: TIER 3 EVALUATION

## Section 742.900 Tier 3 Evaluation Overview

- a) Tier 3 sets forth a flexible framework to develop remediation objectives outside of the requirements of Tiers 1 and 2. Although Tier 1 and Tier 2 evaluations are not prerequisites to conduct Tier 3 evaluations, data from Tier 1 and Tier 2 can assist in developing remediation objectives under a Tier 3 evaluation.
- b) The level of detail required to adequately characterize a site depends on the particular use of Tier 3. Tier 3 can require additional investigative efforts beyond those described in Tier 2 to characterize the physical setting of the site. However, in situations where remedial efforts have simply reached a physical obstruction additional investigation may not be necessary for a Tier 3 submittal.
- c) Situations that can be considered for a Tier 3 evaluation include, but are not limited to:

- 1) Modification of parameters not allowed under Tier 2;
- 2) Use of models different from those used in Tier 2;
- 3) Use of additional site data to improve or confirm predictions of exposed receptors to contaminants of concern;
- 4) Analysis of site-specific risks using formal risk assessment, probabilistic data analysis, and sophisticated fate and transport models (e.g., requesting a target hazard quotient greater than 1 or a target cancer risk greater than 1 in 1,000,000);
- 5) Requests for site-specific remediation objectives because an assessment indicates further remediation is not practical;
- 6) Incomplete human exposure pathway(s) not excluded under Subpart C;
- 7) Use of toxicological-specific information not available from the sources listed in Tier 2;
- 8) Land uses which are substantially different from the assumed residential or industrial/commercial property uses of a site

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(e.g., a site will be used for recreation in the future and cannot be evaluated in tiers 1 or 2); and

9) Requests for site-specific remediation objectives which exceed Tier 1 groundwater remediation objectives so long as the following is demonstrated:

A) *To the extent practical, the exceedence of the groundwater quality standard has been minimized and beneficial use appropriate to the groundwater that was impacted has been returned; and*

B) *Any threat to human health or the environment has been minimized.* [415 ILCS 5/58.5(D)(4)(A)]

- d) For requests of a target cancer risk ranging between 1 in 1,000,000 and 1 in 10,000 at the point of human exposure or a target hazard quotient greater than 1 at the point of human exposure, the requirements of Section 742.915 shall be followed. Requests for a target cancer risk exceeding 1 in 10,000 at the point of human exposure are not allowed.

- e) Requests for approval of a Tier 3 evaluation must be submitted to the Agency for review under the specific program under which remediation is performed. When reviewing a submittal under Tier 3, the Agency shall consider whether the interpretations and conclusions reached are supported by the information gathered. [415 ILCS 58.7(e)(1)]. ~~Section 58.7(e)(1) of the Act.~~ The Agency shall approve a Tier 3 evaluation if the person submits the information required under this Part and establishes through such information that public health is protected and that specified risks to human health and the environment have been minimized.

- f) If contaminants of concern include polychlorinated biphenyls (PCBs), requests for approval of Tier 3 evaluation must additionally address the applicability of 40 CFR 761.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## Section 742.925 Exposure Routes

Technical information may demonstrate that there is no actual or potential impact of contaminants of concern to receptors from a particular exposure route. In these instances, a demonstration excluding an exposure route shall be submitted to the Agency for review and approval. A submittal under this Section shall include the following information:

- a) A description of the route evaluated;
- b) A description of the site and physical site characteristics ~~Technical support including a discussion of the natural or man-made barriers--to exposure--through--that--route--calculations--and--modeling--results;~~
- c) A discussion of the result and possibility of the route becoming active in the future ~~Physical and chemical properties of--contaminants of--concern; and~~

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- d) Technical support that may include, but is not limited to, the following: ~~Contaminant-migration-properties;~~

1) a discussion of the natural or man-made barriers to that exposure route;

2) calculations and modeling;

3) physical and chemical properties of contaminants of concern; and

4) contaminant migration properties.

e) ~~Description-of-the-site-and-physical-site-characteristics;-and~~

f) ~~Discussion-of-the-result-and-possibility-of-the-route-becoming-active in-the-future.~~

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART J: INSTITUTIONAL CONTROLS

## Section 742.1005 No Further Remediation Letters

- a) A No Further Remediation Letter issued by the Agency under 35 Ill. Adm. Code 732 or 740 742 may be used as an institutional control under this Part if the requirements of subsection (b) of this Section are met.

- b) A request for approval of a No Further Remediation Letter as an institutional control shall meet the requirements applicable to the specific program under which the remediation is performed.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## Section 742.1015 Ordinances

- a) An ordinance adopted by a unit of local government that effectively prohibits the installation of potable water supply wells (and the use of such wells) may be used as an institutional control to meet the requirements of Section 742.320(d) or 742.805(a)(3) if the requirements of this Section are met. Ordinances prohibiting the installation of potable water supply wells (and the use of such wells) that do not expressly prohibit the installation of potable water supply wells (and the use of such wells) by units of local government may be acceptable as institutional controls if the requirements of this Section are met and a Memorandum of Understanding (MOU) is entered into under subsection (i) of this Section.

- b) A request for approval of a local ordinance as an institutional control shall provide the following:

1) A copy of the ordinance restricting groundwater use certified by an official of the unit of local government in which the site is located that it is a true and accurate ~~the-latest;-most-current~~ copy of the ordinance, unless the Agency and the unit of local

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government have entered an agreement under subsection (i) of this Section, in which case the request may alternatively reference the MOU. The ordinance must demonstrate that potable use of groundwater from potable water supply wells is prohibited;

- 2) A scaled map(s) delineating the area and ~~area~~ extent of groundwater contamination ~~(measured-or modeled)~~ above the applicable remediation objectives including any measured data showing concentrations of contaminants of concern in which the applicable remediation objectives are exceeded;

- 3) ~~Information-showing-the-concentration-of-contaminants-of-concern in-which-the-applicable-remediation-objectives-are-exceeded;~~

- 34) A scaled map delineating the boundaries of all properties under which groundwater is located which exceeds the applicable groundwater remediation objectives;

- 45) Information identifying the current owner(s) of each property identified in subsection (b)(3) ~~(b)(4)~~ of this Section; and

- 56) A copy of the proposed submission of ~~the-information~~ to the current owners identified in subsection (b)(4) ~~(b)(5)~~ of this Section of the information required in subsections (b)(1) through (b)(4) ~~(b)(5)of-this-Section-and-proof-that-the-notification required-in-subsection-(c)-of-this-Section-has-been-submitted.~~

Within 45 days from the date the Agency's no further remediation determination is recorded, the person who requested to use the ordinance as an institutional control must submit proof to the Agency of the notice to the property owners identified in subsection (b)(4).

- c) Each of the property owners identified in subsection (b)(4) ~~(b)(5)~~ of this Section and the unit of local government must receive written notification from the party desiring to use the institutional control that groundwater remediation objectives have been approved by the Agency. Written proof of this notification shall be submitted to the Agency within 45 days from the date of the ~~instrument-memorizing~~ the Agency no further remediation determination is recorded. The notification shall include:

- 1) The name and address of the unit of local government;

- 2) The citation to the ordinance;

- 3) A description of the property being sent notice by adequate legal description or by reference to a plat showing the boundaries;

- 4) A statement that the ordinance restricting groundwater use has been used by the Agency in reviewing a request for a groundwater remediation objective;

- 5) A statement as to the nature of the release and response action with the site name, address, and Agency site number or Illinois inventory identification number; and

- 6) A statement as to where more information may be obtained regarding the ordinance.

- d) Unless the Agency and the unit of local government have entered into a MOU under subsection (i) of this Section, the current owner or



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successors in interest of a site who have received approval of use of an ordinance as an institutional control under this Section shall:

- 1) Monitor activities of the unit of local government relative to variance requests or changes in the ordinance relative to the use of potable groundwater at properties identified in subsection (b)(3) (b)(4) of this Section; and
- 2) Notify the Agency of any approved variance requests or ordinance changes within 30 days after the date such action has been approved.
- e) The information required in subsections (b)(1) through (b)(5) (b)(6) of this Section and the Agency letter approving the groundwater remediation objective shall be submitted to the unit of local government. Proof that the information has been filed with the unit of local government shall be provided to the Agency.
- f) Any ordinance or MOU used as an institutional control pursuant to this Section shall be recorded in the Office of the Recorder or Registrar of Titles of the county in which the site is located together with the instrument memorializing the Agency's no further remediation determination pursuant to the specific program within 45 days after receipt of the Agency's no further remediation determination.
- g) An institutional control approved under this Section shall not become effective until officially recorded in accordance with subsection (f) of this Section. The person receiving the approval shall obtain and submit to the Agency within 30 days after recording a copy of the institutional control demonstrating that it has been recorded.
- h) The following shall be grounds for voidance of the ordinance as an institutional control and the instrument memorializing the Agency's no further remediation determination:
  - 1) Modification of the ordinance by the unit of local government to allow potable use of groundwater;
  - 2) Approval of a site-specific request, such as a variance, to allow potable use of groundwater at a site identified in subsection (b)(3) (b)(4) of this Section; or
  - 3) Violation of the terms of an institutional control recorded under this Section 742.1005 or Section 742.1010.
- i) The Agency and a unit of local government may enter into a MOU under this Section if the unit of local government has adopted an ordinance satisfying subsection (a) of this Section and if the requirements of this subsection are met. The MOU shall include the following:
  - 1) Identification of the authority of the unit of local government to enter the MOU;
  - 2) Identification of the legal boundaries, or equivalent, under which the ordinance is applicable;
  - 3) A certified copy of the ordinance;
  - 4) A commitment by the unit of local government to notify the Agency of any variance requests or proposed ordinance changes at least 30 days prior to the date the local government is scheduled to take action on the request or proposed change;

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- 5) A commitment by the unit of local government to maintain a registry of all sites within the unit of local government that have received no further remediation determinations pursuant to specific programs; and
- 6) If the ordinance does not expressly prohibit the installation of potable water supply wells (and the use of such wells) by units of local government, a commitment by the unit of local government:
  - A) To review the registry of sites established under subsection (i)(5) of this Section prior to siting potable water supply wells within the area covered by the ordinance;
  - B) To determine whether the potential source of potable water may be or has been affected by contamination left in place at those sites; and
  - C) To take whatever steps are necessary to ensure that the potential source of potable water is protected from the contamination or treated before it is used as a potable water supply.

(Source: Amended at 25 Ill. Reg. 1037 1, effective )

## Section 742.1020 Highway Authority Agreements

- a) An agreement with a highway authority may be used as an institutional control where the requirements of this Section are met and the Agency has determined that no further remediation is required as to the property(ies) to which the agreement is to apply.
- b) As part of the agreement the highway authority shall agree to:
  - 1) Prohibit the use of groundwater under the highway right of way that is contaminated above residential Tier 1 remediation objectives from the release as a potable supply of water; and
  - 2) Limit access to soil contamination under the highway right of way that is contaminated above residential Tier 1 remediation objectives from the release. Access to soil contamination may be allowed if, during and after any access, public health and the environment are protected.
- c) The agreement A--request--for--approval--of--an--agreement--as--an institutional--control shall provide the following:
  - 1) Fully executed signature blocks A-copy-of-the-agreement--executed by the highway authority and the owner of the property (or, in the case of a petroleum leaking underground storage tank, the owner or operator of the tank) from which the release occurred;
  - 2) A scaled map delineating the area and areat extent of soil and groundwater contamination above the applicable Tier 1 remediation objectives or a statement that either soil or groundwater is not contaminated above the applicable Tier 1 residential remediation objectives;



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- 3) Information showing the concentration of contaminants of concern within the zone in which the applicable Tier 1 remediation objectives are exceeded;
- 4) A stipulation of the information required by subsections subsection (c)(2) and (3) to of this Section in the agreement if it is not practical to obtain the information by sampling the highway right-of-way; and
- 5) Information identifying the current--fee-owner-of--the-highway right-of-way-and highway authority having jurisdiction.
- d) Highway Authority Agreements must be referenced in the instrument that is to be recorded on the chain of title for the remediation property.
- ed) Violation of the terms of an Agreement approved by the Agency as an institutional control under this Section shall be grounds for voidance of the Agreement as an institutional control and the instrument memorializing the Agency's no further remediation determination.
- f) Failure to provide all of the information required in subsections (b) and (c) of this Section will be grounds for denial of the Highway Authority Agreement as an institutional control.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## SUBPART K: ENGINEERED BARRIERS

## Section 742.1105 Engineered Barrier Requirements

- a) Natural attenuation, access controls, and point of use treatment shall not be considered engineered barriers. Engineered barriers may not be used to prevent direct human exposure to groundwater without the use of institutional controls.
- b) For purposes of determining remediation objectives under Tier 1, engineered barriers are not recognized.
- c) The following engineered barriers are recognized for purposes of calculating remediation objectives that exceed residential remediation objectives:
- 1) For the soil component of the groundwater ingestion exposure route, the following engineered barriers are recognized if they prevent completion of the exposure pathway:
    - A) Caps or walls re-covering-the-contaminated-media constructed of compacted clay, asphalt, concrete or other material approved by the Agency; and
    - B) Permanent structures such as buildings and highways.
  - 2) For the soil ingestion exposure route, the following engineered barriers are recognized if they prevent completion of the exposure pathway:
    - A) Caps~~---~~re-covering-the-contaminated-media or walls constructed of compacted clay, asphalt, concrete, or other material approved by the Agency;

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- B) Permanent structures such as buildings and highways; and
- C) Soil, sand, gravel, or other geologic materials that:
- i) Cover the contaminated media;
  - ii) Meet the soil remediation objectives under Subpart E for residential property for contaminants of concern; and
  - iii) Are a minimum of three feet in depth.
- e) ~~Clean-soil--covering--the--contaminated--media--that-is-a minimum-of-three-feet-in-depth~~
- 3) For the inhalation exposure route, the following engineered barriers are recognized if they prevent completion of the exposure pathway:
- A) Caps or walls~~---~~re-covering-the-contaminated-media, constructed of compacted clay, asphalt, concrete, or other material approved by the Agency;
  - B) Permanent structures such as buildings and highways; and
  - C) Soil, sand, gravel, or other geologic materials that:
    - i) Cover the contaminated media;
    - ii) Meet the soil remediation objectives under Subpart E for residential property for contaminants of concern; and
    - iii) Are a minimum of ten feet in depth and not within ten feet of any manmade pathway.
- e) ~~Clean-soil--covering--the--contaminated--media--that-is-a minimum--of-ten-feet-in-depth-and-not-within-ten-feet-of-any manmade-pathway~~
- 4) For the ingestion of groundwater exposure route, the following engineered barriers are recognized if they prevent completion of the exposure pathway:
- A) Slurry walls; and
  - B) Hydraulic control of groundwater.
- d) Unless otherwise prohibited under Section 742.1100, any other type of engineered barrier may be proposed if it will be as effective as the options listed in subsection (c) of this Section.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

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## Section 742.APPENDIX A General

## Section 742.TABLE A Soil Saturation Limits (C[sat]) for Chemicals Whose Melting Point is Less than 30°C

CAS No.	Chemical Name	C[sat] (mg/kg)
67-64-1	Acetone	100,000
71-43-2	Benzene	870
111-44-4	Bis(2-chloroethyl)ether	3,300
117-81-7	Bis(2-ethylhexyl)phthalate	31,000
75-27-4	Bromodichloromethane (Dichlorobromomethane)	3,000
75-25-2	Bromoform	1,900
71-36-3	Butanol	10,000
85-68-7	Butyl benzyl phthalate	930
75-15-0	Carbon disulfide	720
56-23-5	Carbon tetrachloride	1,100
108-90-7	Chlorobenzene (Monochlorobenzene)	680
124-48-1	Chlorodibromomethane (Dibromochloromethane)	1,300
67-66-3	Chloroform	2,900
96-12-8	1,2-Dibromo-3-chloropropane	1,400
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	2,800
84-74-2	Di-n-butyl phthalate	2,300
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	560
75-34-3	1,1-Dichloroethane	1,700
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1,800
75-35-4	1,1-Dichloroethylene	1,500
156-59-2	cis-1,2-Dichloroethylene	1,200
156-60-5	trans-1,2-Dichloroethylene	3,100
78-87-5	1,2-Dichloropropane	1,100
542-75-6	1,3-Dichloropropene (1,3-Dichloropropylene, cis + trans)	1,400
84-66-2	Diethyl phthalate	2,000
117-84-0	Di-n-octyl phthalate	10,000
100-41-4	Ethylbenzene	400
77-47-4	Hexachlorocyclopentadiene	2,200
78-59-1	Isophorone	4,600
74-83-9	Methyl bromide (Bromomethane)	3,200
75-09-2	Methylene chloride (Dichloromethane)	2,400
98-95-3	Nitrobenzene	1,000
100-42-5	Styrene	1,500
127-18-4	Tetrachloroethylene (Perchloroethylene)	240
108-88-3	Toluene	650
120-82-1	1,2,4-Trichlorobenzene	3,200
71-55-6	1,1,1-Trichloroethane	1,200
79-00-5	1,1,2-Trichloroethane	1,800
79-01-6	Trichloroethylene	1,300

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108-05-4	Vinyl acetate	2,700
75-01-4	Vinyl chloride	1,200
108-38-3	m-Xylene	420
95-47-6	o-Xylene	410
106-42-3	p-Xylene	460
1330-20-7	Xylenes (total)	3204±0
95-57-8	Ionizable Organics	
	2-Chlorophenol	53,000

(Source: Amended at 25 Ill. Reg. 10374, effective

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Section 742. TABLE D Percentage Points of the W Test for  $nN=3(1)50$

n	0.01	0.05
3	0.753	0.767
4	0.687	0.748
5	0.686	0.762
6	0.713	0.788
7	0.730	0.803
8	0.749	0.818
9	0.764	0.829
10	0.781	0.842
11	0.792	0.850
12	0.805	0.859
13	0.814	0.866
14	0.825	0.874
15	0.835	0.881
16	0.844	0.887
17	0.851	0.892
18	0.858	0.897
19	0.863	0.901
20	0.868	0.905
21	0.873	0.908
22	0.878	0.911
23	0.881	0.914
24	0.884	0.916
25	0.888	0.918
26	0.891	0.920
27	0.894	0.923
28	0.896	0.924
29	0.898	0.926
30	0.900	0.927
31	0.902	0.929
32	0.904	0.930
33	0.906	0.931
34	0.908	0.933
35	0.910	0.934
(Source: Amended at 25 Ill. Reg.		effective

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Section 742. TABLE E Similar-Acting Noncarcinogenic Chemicals

Kidney
Acetone (Ingestion only)
Cadmium (Ingestion only)
Chlorobenzene
Dalapon
1,1-Dichloroethane
Di-n-octyl phthalate (Ingestion only)
Endosulfan
Ethylbenzene
Fluoranthene
Nitrobenzene
Pyrene
Toluene (Ingestion only)
2,4,5-Trichlorophenol
Vinyl acetate (Ingestion only)
Liver
Acenaphthene
Acetone (Ingestion only)
Butylbenzyl phthalate (Ingestion only)
Chlorobenzene (Ingestion only)
1,1-Dichloroethylene (Ingestion only)
Di-n-octyl phthalate (Ingestion only)
Endrin
Ethylbenzene
Fluoranthene
Nitrobenzene
Picloram
Styrene (Ingestion only)
2,4,5-TP (Silvex)
Toluene (Ingestion only)
1,2,4-Trichlorobenzene (Inhalation only)
2,4,5-Trichlorophenol
Central Nervous System
Butanol (Ingestion only)
Cyanide (amenable)
2,4-Dimethylphenol
Endrin
Manganese
2-Methylphenol
Mercury (Inhalation only)
Styrene (Inhalation only)
Toluene (Inhalation only)
Xylenes (Ingestion only)



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Circulatory System  
 Antimony  
 Barium (Ingestion only)  
 2,4-D  
 cis-1,2-Dichloroethylene (Ingestion only)  
 Nitrobenzene  
 trans-1,2-Dichloroethylene (Ingestion only)  
 2,4-Dimethylphenol  
 Fluoranthene  
 Fluorene  
 Styrene (Ingestion only)  
 Zinc  
  
Cholinesterase Inhibition  
 Aldicarb  
 Carbofuran  
  
Decreased Body Weight Gains and Circulatory System Effects  
 Atrazine  
 Simazine  
  
Adrenal Gland  
 Nitrobenzene  
 1,2,4-Trichlorobenzene (Ingestion only)  
  
Respiratory System  
 1,2-Dichloropropane (Inhalation only)  
 1,3-Dichloropropylene (Inhalation only)  
 Hexachlorocyclopentadiene (Inhalation only)  
 Methyl bromide (Inhalation only)  
 Naphthalene (Inhalation only)  
 Toluene (Inhalation only)  
 Vinyl acetate (Inhalation only)  
  
Immune System  
 2,4-Dichlorophenol  
 p-Chloroaniline  
 Mercury (Ingestion only)  
  
Gastrointestinal System  
 Beryllium (Ingestion only)  
 Endothall  
 Hexachlorocyclopentadiene (Ingestion only)  
 Methyl bromide (Ingestion only)  
  
Reproductive System  
 Barium (Inhalation only)  
 Boron (Ingestion only)

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Carbon disulfide  
 2-Chlorophenol (Ingestion only)  
 1,2 Dibromo-3-Chloropropane (Inhalation only)  
 Dinoseb  
 Ethylbenzene (Inhalation only)  
 Methoxychlor  
 Phenol  
  
 (Source: Amended at 25 Ill. Reg. 10374 effective  
 AUG 14 2001)

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## Section 742. TABLE F Similar-Acting Carcinogenic Chemicals

Kidney  
   Bromodichloromethane (Ingestion only)  
   Chloroform (Inhalation only)  
   1,2-Dibromo-3-chloropropane (Ingestion only)  
   2,4-Dinitrotoluene  
   2,6-Dinitrotoluene  
   Hexachlorobenzene  
  
   Liver  
   Aldrin  
   Bis(2-chloroethoxy)ether  
   Bis(2-ethylhexyl)phthalate (Ingestion only)  
   Carbazole  
   Carbon tetrachloride  
   Chlordane  
   Chloroform (Inhalation only)  
   DDD  
   DDE  
   DPT  
   1,2-Dibromo-3-chloropropane (Ingestion only)  
   1,2-Dibromomethane (Ingestion only)  
   3,3'-Dichlorobenzidine  
   1,2-Dichloroethane  
   1,2,3,4-Tetrachloropropane (Ingestion only)  
   1,3-Dichloropropylene (Ingestion only)  
   Dieldrin  
   2,4-Dinitrotoluene  
   2,6-Dinitrotoluene  
   Heptachlor  
   Heptachlor epoxide  
   Hexachlorobenzene  
   alpha-HCH  
   gamma-HCH (Lindane)  
   Methylene chloride  
   N-Nitrosodiphenylamine  
   N-Nitrosodi-n-propylamine  
   Pentachlorophenol  
   Tetrachloroethylene  
   Trichloroethylene  
   2,4,6-Trichlorophenol  
   Toxaphene  
   Vinyl chloride  
  
   Circulatory System  
   Benzene  
   2,4,6-Trichlorophenol

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Gastrointestinal System  
   Benzo(a)anthracene  
   Benzo(b)fluoranthene  
   Benzo(k)fluoranthene  
   Benzo(a)pyrene  
   Chrysene  
   Dibenzo(a,h)anthracene  
   Indeno(1,2,3-c,d)pyrene  
   Bromodichloromethane (Ingestion only)  
   Bromoform  
   1,2-Dibromo-3-chloropropane (Ingestion only)  
   1,2-Dibromomethane (Ingestion only)  
   1,3-Dichloropropylene (Ingestion only)  
  
   Lung  
   Arsenic (Inhalation only)  
   Beryllium (Inhalation only)  
   Cadmium (Inhalation only)  
   Chromium, hexavalent (Inhalation only)  
   1,3-Dichloropropylene (Inhalation only)  
   Methylene chloride (Inhalation only)  
   N-Nitrosodi-n-propylamine  
   Nickel (Inhalation only)  
   Vinyl chloride  
  
   Nasal Cavity  
   1,2-Dibromo-3-chloropropane (Inhalation only)  
   1,2-Dibromomethane (Inhalation only)  
   N-Nitrosodi-n-propylamine  
  
   Bladder  
   3,3'-Dichlorobenzidine  
   1,3-Dichloropropylene (Ingestion only)  
   N-Nitrosodiphenylamine

(Source: Amended at 25 Ill. Reg. 10374 -, effective  
 AUG 14 2001)

POLLUTION CONTROL BOARD

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Section 742. TABLE H Chemicals Whose Tier 1 Class I Groundwater Remediation Objective Exceeds the 1 in 1,000,000 Cancer Risk Concentration

Chemical	Class I		ADL (mg/l)
	Groundwater Remediation Objective (mg/l)	1 in 1,000,000 Cancer Risk Concentration (mg/l)	
Aldrin	0.0140-00004	0.000005	0.0140-00004
Benzo(a)pyrene	0.0002	0.000012	0.00023
Bis(2-chloroethyl) ether	0.01	0.000077	0.01
Bis(2-ethylhexyl)phthalate	0.006	0.0061	0.0027
(Di(2-ethylhexyl)phthalate)			
Carbon Tetrachloride	0.005	0.00066	0.0001 0-00003
Chlordane	0.002	0.000066	0.00014
DDD	0.014	0.00023	0.014
DDE	0.01	0.00023	0.01
DDT	0.006	0.00023	0.006
Dibenzo(a,h)anthracene	0.0003	0.000012	0.0003
1,2-Dibromo-3-chloropropane	0.0002	0.000061	0.0010-0002
1,2-Dibromethane	0.0005	0.000010	0.0010-00005
3,3'-Dichlorobenzidine	0.02	0.00019	0.02
1,2-Dichloroethane	0.005	0.00094	0.0003
Dieldrin	0.0090-00002	0.000053	0.0090-00002
2,6-Dinitrotoluene	0.00031	0.0001	0.00031
Heptachlor	0.0004	0.000019	0.0130-00003
Heptachlor epoxide	0.0002	0.000094	0.0150-00002
Hexachlorobenzene	0.0006	0.000053	0.00006
alpha-HCH	0.00010-00003	0.000014	0.00010-00003
Tetrachloroethylene	0.005	0.0016	0.00040-00001
Toxaphene	0.003	0.000077	0.00086
Vinyl chloride	0.002	0.000045	0.00020-00006
Ionizable Organics			
N-Nitrosodi-n-propylamine	0.00100-001	0.000012	0.00100-001
Pentachlorophenol	0.001	0.00071	0.00070-0001
2,4,6-Trichlorophenol	0.01	0.007	0.01
Inorganics			
Arsenic	0.05	0.000057	0.001
Beryllium	0.004	0.00002	0.004

(Source: Amended at 25 Ill. Reg. 103743 effective 8/6/14/2001)

Section 742.A PPENDIX B: Tier 1 Tables and Illustrations

Section 742. TABLE A: Tier 1 Soil Remediation Objectives\* for Residential Properties

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils		Soil Component of the Groundwater Values		ADL (mg/kg)	Class II (mg/kg)	Class I (mg/kg)	Ingestion Exposure Route	Inhalation (mg/kg)	Ingestion (mg/kg)	Chemical Name	CAS No.
83-32-9	Acenaphthene	4,700 <sup>b</sup>	---	570 <sup>b</sup>	16 <sup>b</sup>	0.2	0.04	0.013	0.07	2.5	0.94	Acenaphthene	83-32-9
67-64-1	Acetone	7,800 <sup>b</sup>	100,000 <sup>d</sup>	16 <sup>b</sup>	16 <sup>b</sup>	0.2	0.04	0.013	0.07	2.5	0.94	Acetone	67-64-1
15972-60-8	Alachlor <sup>a</sup>	8 <sup>c</sup>	---	0.04	0.2	0.04	0.013	0.013	0.07	2.5	0.94	Alachlor <sup>a</sup>	15972-60-8
116-06-3	Aldicarb <sup>b</sup>	78 <sup>b</sup>	---	0.013	0.07	0.013	0.013	0.013	0.07	2.5	0.94	Aldicarb <sup>b</sup>	116-06-3
309-00-2	Aldrin	0.04 <sup>c</sup>	3 <sup>c</sup>	0.5 <sup>c</sup>	0.5 <sup>c</sup>	0.04	0.013	0.013	0.07	2.5	0.94	Aldrin	309-00-2
120-12-7	Anthracene	23,000 <sup>b</sup>	---	12,000 <sup>b</sup>	0.066	0.33	0.066	0.066	0.33	0.33	NA	Anthracene	120-12-7
1912-24-9	Atrazine <sup>c</sup>	2700 <sup>b</sup>	---	0.066	0.33	0.33	0.066	0.066	0.33	0.33	NA	Atrazine <sup>c</sup>	1912-24-9
71-43-2	Benzene	22 <sup>c</sup> 12 <sup>c</sup>	0.8 <sup>c</sup>	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.17	Benzene	71-43-2
56-55-3	Benzo(a)anthracene	0.9 <sup>c</sup>	---	2	2	0.17	0.03	0.03	0.03	0.03	0.17	Benzo(a)anthracene	56-55-3
205-99-2	Benzo(b)fluoranthene	0.9 <sup>c</sup>	---	5	5	0.17	0.03	0.03	0.03	0.03	0.17	Benzo(b)fluoranthene	205-99-2



CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
207-08-9	Benzo(a)fluoranthene	9 <sup>e</sup>	---	49	250	*
50-32-8	Benzo(a)pyrene	0.09 <sup>f</sup>	---	8	82	*
111-44-4	Bis(2-chloroethyl)ether	0.6 <sup>e</sup>	0.2 <sup>f</sup>	0.0004 <sup>f</sup>	0.0004	0.66
117-81-7	Bis(2-ethylhexyl)phthalate	46 <sup>e</sup>	31,000 <sup>d</sup>	3,600	31,000 <sup>d</sup>	*
75-27-4	Bromodichloromethane (Dichlorobromomethane)	10 <sup>e</sup>	3,000 <sup>d</sup>	0.6	0.6	*
75-25-2	Bromoform	81 <sup>e</sup>	53 <sup>e</sup>	0.8	0.8	*
71-36-3	Butanol	7,800 <sup>b</sup>	10,000 <sup>d</sup>	17 <sup>b</sup>	17	NA
85-68-7	Butyl benzyl phthalate	16,000 <sup>b</sup>	930 <sup>d</sup>	930 <sup>d</sup>	930 <sup>d</sup>	*
86-74-8	Carbazole	32 <sup>e</sup>	---	0.6 <sup>e</sup>	2.8	NA
1563-66-2	Carbofuran <sup>a</sup>	390 <sup>b</sup>	---	0.22	1.1	NA
75-15-0	Carbon disulfide	7,800 <sup>b</sup>	720 <sup>d</sup>	32 <sup>b</sup>	160	*

Exposure Route-Specific Values for Soils	Soil Component of the Groundwater Ingestion Exposure Route Values
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CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
56-23-5	Carbon tetrachloride	5 <sup>e</sup>	0.3 <sup>e</sup>	0.07	0.33	*
57-74-9	Chlordane	0.518 <sup>e</sup>	2072 <sup>e</sup>	10	48	*
106-47-8	4-Chloroaniline <i>pp'</i> -chloraniline	310 <sup>b</sup>	---	0.7 <sup>b</sup>	0.7	432 <sup>e</sup>
108-90-7	Chlorobenzene (Monochlorobenzene)	1,600 <sup>b</sup>	130 <sup>b</sup>	1	6.5	*
124-48-1	Chlorodibromomethane (Dibromochloromethane)	1,600 <sup>b</sup>	1,300 <sup>d</sup>	0.4	0.4	*
67-66-3	Chloroform	100 <sup>e</sup>	0.3 <sup>e</sup>	0.6	2.9	*
218-01-9	Chrysene	88 <sup>e</sup>	---	160	800	*
94-75-7	2,4-D <sup>a</sup>	780 <sup>b</sup>	---	1.5	7.7	*
75-99-0	Dalapon <sup>a</sup>	2,300 <sup>b</sup>	---	0.85	8.5	432 <sup>e</sup>
72-54-8	DDD	3 <sup>e</sup>	---	16 <sup>e</sup>	80	*
72-55-9	DDE	2 <sup>e</sup>	---	54 <sup>e</sup>	270	*

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils				Soil Component of the Groundwater Ingestion Exposure Route Values			
		Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	7 <sup>a</sup>	0.4 <sup>b</sup>	0.02	0.1	*			
75-35-4	1,1-Dichloroethylene	700 <sup>b</sup>	1,500 <sup>d</sup>	0.06	0.3	*			
156-59-2	<i>cis</i> -1,2-Dichloroethylene	780 <sup>b</sup>	1,200 <sup>d</sup>	0.4	1.1	*			
156-60-5	<i>trans</i> -1,2-Dichloroethylene	1,600 <sup>b</sup>	3,100 <sup>d</sup>	0.7	3.4	*			
78-87-5	1,2-Dichloropropane	9 <sup>c</sup>	15 <sup>b</sup>	0.03	0.15	*			
542-75-6	1,3-Dichloropropene (1,3-Dichloropropylene, <i>cis</i> & <i>trans</i> )	450 <sup>b</sup>	910 <sup>d</sup>	0.004 <sup>e</sup>	0.02	0.005			
60-57-1	Dieldrin <sup>a</sup>	0.04 <sup>c</sup>	1 <sup>a</sup>	0.004 <sup>e</sup>	0.02	0.603			
404-66-2	Diethyl phthalate	63,000 <sup>b</sup>	2,000 <sup>d</sup>	470 <sup>b</sup>	470	*			
105-67-9	2,4-Dimethylphenol	1,600 <sup>b</sup>	---	9 <sup>b</sup>	9	*			
121-14-2	2,4-Dinitrotoluene	0.9 <sup>c</sup>	---	0.0008 <sup>f</sup>	0.0008	0.0430 230			

CAS No	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
50-29-3	DDT	2 <sup>c</sup>	--- <sup>d</sup>	32 <sup>e</sup>	160	*
53-70-3	Dibenz( <i>a,h</i> )anthracene	0.09 <sup>f</sup>	---	2	7.6	*
96-12-8	1,2-Dibromo-3-chloropropane	0.46 <sup>e</sup>	11 <sup>b</sup>	0.002	0.002	*
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	0.0075 <sup>c</sup>	0.17 <sup>e</sup>	0.0004	0.004	0.005
84-74-2	Di- <i>n</i> -butyl phthalate	7,800 <sup>b</sup>	2,300 <sup>d</sup>	2,300 <sup>d</sup>	2,300 <sup>d</sup>	*
95-50-1	1,2-Dichlorobenzene	7,000 <sup>b</sup>	560 <sup>d</sup>	17	43	*
106-46-7	1,4-Dichlorobenzene ( <i>p</i> -Dichlorobenzene)	---	--- <sup>g</sup> 11,000 <sup>b</sup>	2	11	*
91-94-1	3,3'-Dichlorobenzidine	1 <sup>e</sup>	---	0.007 <sup>e,f</sup>	0.033	1.3
75-34-3	1,1-Dichloroethane	7,800 <sup>b</sup>	1,300 <sup>b</sup>	23 <sup>b</sup>	110	*

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
58-89-9	<i>gamma</i> -HCH (Lindane) <sup>a</sup>	0.5 <sup>c</sup>	---	0.009	0.047	*
77-47-4	Hexachlorocyclopentadiene	550 <sup>b</sup>	10 <sup>b</sup>	400	2,200 <sup>d</sup>	*
67-72-1	Hexachloroethane	78 <sup>b</sup>	---	0.5 <sup>b</sup>	2.6	*
193-39-5	Indeno(1,2,3-c,d)pyrene	0.9 <sup>c</sup>	---	14	69	*
78-59-1	Isothionc	15,600 <sup>b</sup>	4,600 <sup>d</sup>	8 <sup>b</sup>	8	*
72-43-5	Methoxychlor <sup>a</sup>	390 <sup>b</sup>	---	160	780	*
74-83-9	Methyl bromide (Bromomethane)	110 <sup>b</sup>	10 <sup>b</sup>	0.2 <sup>b</sup>	1.2	*
75-09-2	Methylene chloride (Dichloromethane)	85 <sup>c</sup>	13 <sup>c</sup>	0.02 <sup>c</sup>	0.2	*
95-48-7	2-Methylphenol ( <i>o</i> -Cresol)	3,900 <sup>b</sup>	---	15 <sup>b</sup>	15	*
91-20-3	Naphthalene	3-1001,600 <sup>b</sup>	170 <sup>b</sup>	8412 <sup>b</sup>	42018	*
98-95-3	Nitrobenzene	39 <sup>b</sup>	92 <sup>b</sup>	0.1 <sup>b</sup>	0.1	0.26

Exposure Route-Specific Values for Soils

Soil Component of the Groundwater  
Ingestion Exposure Route  
Values

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
606-20-2	2,6-Dinitrotoluene	0.9 <sup>c</sup>	---	0.0007 <sup>c</sup>	0.0007	0.00670,260
117-84-0	Di- <i>n</i> -octyl phthalate	1,600 <sup>b</sup>	10,000 <sup>d</sup>	10,000 <sup>d</sup>	10,000 <sup>d</sup>	*
115-29-7	Endosulfan <sup>a</sup>	470 <sup>b</sup>	---	18 <sup>b</sup>	90	*
145-73-3	Endothal <sup>11</sup>	1,600 <sup>b</sup>	---	0.4	0.4	NA
72-20-8	Endrin	23 <sup>b</sup>	---	1	5	*
100-41-4	Ethylbenzene	7,800 <sup>b</sup>	400 <sup>d</sup>	13	19	*
206-44-0	Fluoranthene	3,100 <sup>b</sup>	---	4,300 <sup>b</sup>	21,000	*
86-73-7	Fluorene	3,100 <sup>b</sup>	---	560 <sup>b</sup>	2,800	*
76-44-8	Heptachlor	0.1 <sup>c</sup>	0.1 <sup>c</sup>	23	110	0.871
1024-57-3	Heptachlor epoxide	0.07 <sup>c</sup>	5 <sup>c</sup>	0.7	3.3	1.005
118-74-1	Hexachlorobenzene	0.4 <sup>c</sup>	1 <sup>c</sup>	2	11	*
319-84-6	<i>alpha</i> -HCH ( <i>alpha</i> -BHC)	0.1 <sup>c</sup>	0.8 <sup>c</sup>	0.0005 <sup>c</sup>	0.003	0.0020,0074

Exposure Route-Specific Values for Soils

Soil Component of the Groundwater  
Ingestion Exposure Route  
Values



CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
86-30-6	N-Nitrosodiphenylamine	130 <sup>a</sup>	---	1 <sup>a</sup>	5.6	*
621-64-7	N-Nitrosodi-n-propylamine	0.09 <sup>c</sup>	---	0.00005 <sup>c</sup>	0.00005	0.660 0018
108-95-2	Phenol	47,000 <sup>b</sup>	---	100 <sup>b</sup>	100	*
1918-02-1	Picloram <sup>b</sup>	5,500 <sup>b</sup>	---	2	20	NA
1336-36-3	Polychlorinated biphenyls (PCBs) <sup>a</sup>	1 + 10 <sup>b</sup>	---	---	---	*
129-00-0	Pyrene	2,300 <sup>b</sup>	---	4,200 <sup>b</sup>	21,000	*
122-34-9	Simazine <sup>c</sup>	390 <sup>b</sup>	---	0.04	0.37	NA
100-42-5	Styrene	16,000 <sup>b</sup>	1,500 <sup>d</sup>	4	18	*
127-18-4	Tetrachloroethylene (Perchloroethylene)	12 <sup>a</sup>	11 <sup>a</sup>	0.06	0.3	*
108-88-3	Toluene	16,000 <sup>b</sup>	650 <sup>d</sup>	12	29	*

Exposure Route-Specific Values for Soils

Soil Component of the Groundwater  
Ingestion Exposure Route  
Values

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
8001-35-2	Toxaphene <sup>a</sup>	0.6 <sup>a</sup>	89 <sup>a</sup>	31	150	*
120-82-1	1,2,4-Trichlorobenzene	780 <sup>b</sup>	3,200 <sup>b</sup>	5	53	*
71-55-6	1,1,1-Trichloroethane	---	1,200 <sup>d</sup>	2	9.6	*
79-00-5	1,1,2-Trichloroethane	310 <sup>b</sup>	1,800 <sup>d</sup>	0.02	0.3	*
79-01-6	Trichloroethylene	58 <sup>a</sup>	5 <sup>a</sup>	0.06	0.3	*
108-05-4	Vinyl acetate	78,000 <sup>b</sup>	1,000 <sup>b</sup>	170 <sup>b</sup>	170	*
75-01-4	Vinyl chloride	8,300 <sup>b</sup>	8,300 <sup>b</sup>	0.01 <sup>f</sup>	0.07	*
108-38-3	m-Xylene	160,000 <sup>b</sup>	420 <sup>d</sup>	210	210	*
95-47-6	o-Xylene	160,000 <sup>b</sup>	410 <sup>d</sup>	190	190	*
106-42-3	p-Xylene	160,000 <sup>b</sup>	460 <sup>d</sup>	200	200	*

Exposure Route-Specific Values for Soils

Soil Component of the Groundwater  
Ingestion Exposure Route  
Values

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CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
1330-20-7	Xylenes (total)	160,000 <sup>b</sup>	440 <sup>a</sup> 320 <sup>d</sup>	150	150	*
	Ionizable Organics					
65-85-0	Benzoic Acid	310,000 <sup>b</sup>	---	400 <sup>b</sup>	400 <sup>c</sup>	*
95-57-8	2-Chlorophenol	390 <sup>a</sup>	53,000 <sup>d</sup>	4 <sup>b</sup>	4 <sup>c</sup>	*
120-83-2	2,4-Dichlorophenol	230 <sup>b</sup>	---	1 <sup>b</sup>	1 <sup>c</sup>	*
51-28-5	2,4-Dinitrophenol	160 <sup>b</sup>	---	0.2 <sup>b</sup>	0.2	3.3
88-85-7	Dinosb <sup>h</sup>	78 <sup>b</sup>	---	0.34 <sup>b</sup>	3.4 <sup>c</sup>	*
87-86-5	Pentachlorophenol	3 <sup>c</sup>	---	0.03 <sup>d</sup>	0.14 <sup>c</sup>	2-4 <sup>e</sup>
93-72-1	2,4,5-TP (Silvex)	630 <sup>b</sup>	---	11 <sup>c</sup>	55 <sup>c</sup>	*
95-95-4	2,4,5-Trichlorophenol	7,800 <sup>b</sup>	---	270 <sup>b</sup>	1,400 <sup>c</sup>	*
88-06-2	2,4,6-Trichlorophenol	58 <sup>a</sup>	200 <sup>a</sup>	0.2 <sup>d</sup>	0.77 <sup>c</sup>	0-130.66
Exposure Route-Specific Values for Soils						
	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	Soil Component of the Groundwater Ingestion Exposure Route Values	

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CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	ADL (mg/kg)
	Inorganics					
7440-36-0	Antimony	31 <sup>b</sup>	---	0.006 <sup>m</sup>	0.024 <sup>m</sup>	*
7440-38-2	Arsenic <sup>1m</sup>	0.4 <sup>1</sup>	750 <sup>c</sup>	0.05 <sup>m</sup>	0.2 <sup>m</sup>	*
7440-39-3	Barium	5,500 <sup>b</sup>	690,000 <sup>b</sup>	2.0 <sup>m</sup>	2.0 <sup>m</sup>	*
7440-41-7	Beryllium	0.4 <sup>1m</sup> 160 <sup>b</sup>	1,300 <sup>c</sup>	0.004 <sup>m</sup>	0.5 <sup>m</sup>	*
7440-42-8	Boron	7,000 <sup>b</sup>	---	2.0 <sup>m</sup>	2.0 <sup>m</sup>	*
7440-43-9	Cadmium <sup>1m</sup>	78 <sup>b</sup>	1,800 <sup>c</sup>	0.005 <sup>m</sup>	0.05 <sup>m</sup>	*
16887-00-6	Chloride	---	---	200 <sup>m</sup>	200 <sup>m</sup>	*
7440-47-3	Chromium, total	390 230 <sup>b</sup>	270 <sup>c</sup>	0.1 <sup>m</sup>	1.0 <sup>m</sup>	*
16065-83-1	Chromium, ion, trivalent	78,000 120,000 <sup>b</sup>	---	---	---	*
18540-29-9	Chromium, ion, hexavalent	390 230 <sup>b</sup>	270 <sup>c</sup>	---	---	*
7440-48-4	Cobalt	4,700 <sup>b</sup>	---	1.0 <sup>m</sup>	1.0 <sup>m</sup>	*
Exposure Route-Specific Values for Soils						
	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	Soil Component of the Groundwater Ingestion Exposure Route Values	

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	ADI (mg/kg)
7110-50-8	Copper <sup>a</sup>	2,900 <sup>b</sup>	---	0.6 <sup>m</sup>	0.6 <sup>m</sup>	*
57-12-5	Cyanide (amenable)	1,600 <sup>b</sup>	---	0.3 <sup>m</sup>	0.6 <sup>m</sup>	*
7782-41-4	Fluoride	4,700 <sup>b</sup>	---	4.0 <sup>m</sup>	4.0 <sup>m</sup>	*
15438-31-0	Iron	---	---	5.0 <sup>m</sup>	5.0 <sup>m</sup>	*
7439-92-1	Lead	400 <sup>b</sup>	---	0.0075 <sup>m</sup>	0.1 <sup>m</sup>	*
7439-96-5	Manganese	3,700 <sup>b</sup>	69,000 <sup>b</sup>	0.15 <sup>m</sup>	10.0 <sup>m</sup>	*
7439-97-6	Mercury <sup>a,d</sup>	23 <sup>b,e</sup>	10 <sup>b,f</sup>	0.002 <sup>m</sup>	0.01 <sup>m</sup>	*
7440-07-0	Nickel <sup>1</sup>	1,600 <sup>b</sup>	13,000 <sup>e</sup>	0.1 <sup>m</sup>	2.0 <sup>m</sup>	*
14797-55-8	Nitrate as N <sup>2</sup>	130,000 <sup>b</sup>	---	10.0 <sup>4</sup>	100 <sup>4</sup>	*
7782-49-2	Selenium <sup>1</sup>	390 <sup>b</sup>	---	0.05 <sup>m</sup>	0.05 <sup>m</sup>	*

Exposure Route-specific Values for Soils

Soil Component of the Groundwater

Values

<sup>a</sup>MA indicates that the ADI, is less than or equal to the specified remediation objective.  
<sup>b</sup>MA means not available; no PQL or RQL available in USEPA analytical methods.

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	ADI (mg/kg)
7440-22-4	Silver	390 <sup>b</sup>	---	0.05 <sup>m</sup>	---	*
14808-79-8	Sulfate	---	---	400 <sup>m</sup>	400 <sup>m</sup>	*
7440-28-0	Tallium	6.3 <sup>b</sup>	---	0.002 <sup>m</sup>	0.02 <sup>m</sup>	*
7440-62-2	Vanadium	550 <sup>b</sup>	---	0.04 <sup>m</sup>	0.1 <sup>m</sup>	*
7440-66-6	Zinc <sup>1</sup>	23,000 <sup>b</sup>	---	5.0 <sup>m</sup>	10 <sup>m</sup>	*

Exposure Route-specific Values for Soils

Soil Component of the Groundwater

Values



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

Chemical Name and Soil Remediation Objective Notations

- (a) Soil remediation objectives based on human health criteria only.
- (b) Calculated values correspond to a target hazard quotient of 1.
- (c) No toxicity criteria available for the route of exposure.
- (d) Soil saturation concentration (C(sat sat)) = the concentration at which the absorptive limits of the soil particles, the solubility limits of the available soil moisture, and saturation of soil pore air have been reached. Above the soil saturation concentration, the assumptions regarding vapor transport to air and/or dissolved phase transport to groundwater (for chemicals which are liquid at ambient soil temperatures) have been violated, and alternative modeling approaches are required.
- (e) Calculated values correspond to a cancer risk level of 1 in 1,000,000.
- (f) Level is at or below Contract Laboratory Program required quantitation limit for Regular Analytical Services (RAS).
- (g) Chemical-specific properties are such that this route is not of concern at any soil contaminant concentration.
- (h) 40 CFR 761 contains applicability requirements and methodologies for the development of PCB remediation objectives. Requests for approval of a Tier 3 evaluation must address the applicability of 40 CFR 761. A preliminary goal of 1 ppm has been set for PCBs based on Guidance on Remedial Actions for Superfund Sites with PCB Contamination. EPA/540G-90/0077 and on USEPA efforts to manage PCB contamination. See 40 CFR 761.110 and USEPA PCB Spill Cleanup Policy. This regulation goes on to say that the cleanup goal for an unrestricted area is 10 ppm and 25 ppm for a restricted area; provided both have at least 10 inches of clean cover.
- (i) Soil remediation objective for pH of 6.8. If soil pH is other than 6.8, refer to Appendix B, Tables C and D of this Part.
- (j) Ingestion soil remediation objective adjusted by a factor of 0.5 to account for dermal route.
- (k) A preliminary remediation goal of 400 mg/kg has been set for lead based on Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities, OSWER Directive #9355.4-12.
- (l) Potential for soil-plant-human exposure.

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

- (m) The person conducting the remediation has the option to use: (1) TCLP or SPLP test results to compare with the remediation objectives listed in this Table; or (2) the total amount of contaminant in the soil sample results to compare with pH specific remediation objectives listed in Appendix B, Table C or D of this Part. (See Section 742.510.) If the person conducting the remediation wishes to calculate soil remediation objectives based on background concentrations, this should be done in accordance with Subpart D of this Part.
- (n) The Agency reserves the right to evaluate the potential for remaining contaminant concentrations to pose significant threats to crops, livestock, or wildlife.
- (o) For agricultural facilities, remediation objectives for surficial soils which are based on field application rates may be more appropriate for currently registered pesticides. Consult the Agency for further information.
- (p) For agricultural facilities, soil remediation objectives based on site-specific background concentrations of Nitrate as N may be more appropriate. Such determinations shall be conducted in accordance with the procedures set forth in Subparts D and I of this Part.
- (q) The TCLP extraction must be done using water at a pH of 7.0.
- (r) Value based on dietary Reference Dose.
- (s) Value for Ingestion based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7); value for Inhalation based on Reference Concentration for elemental Mercury (CAS No. 7439-97-6). Value based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7).
- (t) For the ingestion route for arsenic, see 742. Appendix A, Table G. Note that table value is likely to be less than background concentration for this chemical; screening or remediation concentrations using the procedures of Subpart B of this Part may be more appropriate.
- (u) Value based on Reference Dose for Thallium thallium sulfate (CAS No. 7446-18-6).

(Source: Amended at 25 Ill. Reg. 103743, effective \_\_\_\_\_)

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
83-32-9	Acenaphthene	120,000 <sup>b</sup>	----- <sup>c</sup>	120,000 <sup>b</sup>	----- <sup>c</sup>	570 <sup>b</sup>	2,900	*
67-64-1	Acetone	200,000 <sup>b</sup>	100,000 <sup>b</sup>	200,000 <sup>b</sup>	100,000 <sup>b</sup>	16 <sup>b</sup>	16	*
15972-60-8	Alachlor <sup>a</sup>	72 <sup>c</sup>	----- <sup>c</sup>	1,600 <sup>c</sup>	----- <sup>c</sup>	0.04	0.2	NA
116-06-3	Aldicarb <sup>a</sup>	2,000 <sup>b</sup>	----- <sup>c</sup>	200 <sup>b</sup>	----- <sup>c</sup>	0.013	0.07	NA
309-00-2	Aldrin	0.3 <sup>c</sup>	6.6 <sup>c</sup>	6.1 <sup>b</sup>	9.3 <sup>c</sup>	0.5 <sup>c</sup>	2.5	0.94
120-12-7	Anthracene	610,000 <sup>b</sup>	----- <sup>c</sup>	610,000 <sup>b</sup>	----- <sup>c</sup>	12,000 <sup>b</sup>	59,000	*
1912-24-9	Atrazine <sup>a</sup>	72,000 <sup>b</sup>	----- <sup>c</sup>	7,100 <sup>b</sup>	----- <sup>c</sup>	0.066	0.33	NA
71-43-2	Benzene	200,100 <sup>c</sup>	451.6 <sup>c</sup>	4,300 <sup>c</sup>	2,300 <sup>c</sup>	2+2.2 <sup>c</sup>	0.03	0.17
<div>Exposure Route-Specific Values for Soils</div> <div>Industrial-Commercial</div> <div>Construction Worker</div>								
Soil Component of the Exposure Route		Values						
Groundwater Ingestion								

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADL (mg/kg)
56-55-1	Benzofluoranthene	8 <sup>c</sup>	----- <sup>c</sup>	170 <sup>c</sup>	----- <sup>c</sup>	2	8	*
205-99-2	Benzo(b)fluoranthene	8 <sup>c</sup>	----- <sup>c</sup>	170 <sup>c</sup>	----- <sup>c</sup>	5	25	*
207-08-9	Benzo(k)fluoranthene	78 <sup>c</sup>	----- <sup>c</sup>	1,700 <sup>c</sup>	----- <sup>c</sup>	49	250	*
304-52-8	Benzo(a)pyrene	0.8 <sup>c</sup>	----- <sup>c</sup>	17 <sup>c</sup>	----- <sup>c</sup>	8	82	*
111-14-4	Bis(2-chloroethyl)ether	5 <sup>c</sup>	0.47 <sup>c</sup>	75 <sup>c</sup>	0.66 <sup>c</sup>	0.0004 <sup>c</sup>	0.0004	0.66
117-81-7	Bis(2-ethylhexyl)phthalate	410 <sup>c</sup>	31,000 <sup>d</sup>	4,100 <sup>b</sup>	31,000 <sup>d</sup>	3,600	31,000 <sup>d</sup>	*
75-27-4	Bromochlorobromomethane (1,1,1-trichlorobromomethane)	92 <sup>c</sup>	3,000 <sup>d</sup>	2,000 <sup>c</sup>	3,000 <sup>d</sup>	0.6	0.6	*
75-25-2	Bromoform	720 <sup>c</sup>	100 <sup>c</sup>	16,000 <sup>c</sup>	140 <sup>c</sup>	0.8	0.8	*
74-36-3	Butanol	200,000 <sup>b</sup>	10,000 <sup>d</sup>	200,000 <sup>b</sup>	10,000 <sup>d</sup>	17 <sup>b</sup>	17	NA
85-68-7	Butyl benzyl phthalate	410,000 <sup>b</sup>	930 <sup>d</sup>	410,000 <sup>b</sup>	930 <sup>d</sup>	930 <sup>d</sup>	930 <sup>d</sup>	*
86-74-8	Carbazole	290 <sup>c</sup>	----- <sup>c</sup>	6,200 <sup>c</sup>	----- <sup>c</sup>	0.6 <sup>c</sup>	2.8	NA
<div>Exposure Route-Specific Values for Soils</div> <div>Industrial-Commercial</div> <div>Construction Worker</div>								
Soil Component of the Exposure Route		Values						
Groundwater Ingestion								

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils	Industrial-Commercial	Construction Worker	Values	Soil Component of the Groundwater Ingestion Exposure Route
75-99-0	Dalapon <sup>a</sup>	61,000 <sup>b</sup>	61,000 <sup>b</sup>	61,000 <sup>b</sup>	0.85	8.5
72-54-8	DJD	24 <sup>c</sup>	24 <sup>c</sup>	24 <sup>c</sup>	16 <sup>c</sup>	80
72-55-9	DDE	17 <sup>c</sup>	17 <sup>c</sup>	17 <sup>c</sup>	54 <sup>c</sup>	270
50-29-3	DDT	17 <sup>c</sup>	1,500 <sup>c</sup>	100 <sup>b</sup>	32 <sup>c</sup>	160
53-70-3	Dibenzo(a,h)anthracene	0.8 <sup>c</sup>	17 <sup>c</sup>	17 <sup>c</sup>	2	7.6
96-12-8	1,2-Dibromo-3-chloropropane	4 <sup>c</sup>	17 <sup>b</sup>	89 <sup>c</sup>	0.11 <sup>b</sup>	0.002
106-93-1	1,2-Dibromoethane (ethylene dibromide)	0.07 <sup>c</sup>	0.32 <sup>c</sup>	1.3 <sup>c</sup>	0.15 <sup>c</sup>	0.0004
84-74-2	Di-n-butyl phthalate	200,000 <sup>b</sup>	2,300 <sup>d</sup>	200,000 <sup>b</sup>	2,300 <sup>d</sup>	2,300 <sup>d</sup>
95-50-1	1,2-Dichlorobenzene (o - 1)chlorobenzene)	180,000 <sup>b</sup>	560 <sup>d</sup>	18,000 <sup>b</sup>	310 <sup>b</sup>	17
106-16-7	1,4-Dichlorobenzene (p - 1)chlorobenzene)	----- <sup>c</sup>	17,000 <sup>b</sup>	----- <sup>c</sup>	340 <sup>b</sup>	2
						11
						*

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils	Industrial-Commercial	Construction Worker	Values	Soil Component of the Groundwater Ingestion Exposure Route
1561-66-2	Carburean <sup>a</sup>	10,000 <sup>b</sup>	----- <sup>c</sup>	1,000 <sup>b</sup>	0.22	1.1
75-15-0	Carbon disulfide	200,000 <sup>b</sup>	720 <sup>d</sup>	20,000 <sup>b</sup>	9.0 <sup>b</sup>	32 <sup>b</sup>
56-23-5	Carbon tetrachloride	44 <sup>c</sup>	0.64 <sup>c</sup>	410 <sup>b</sup>	0.90 <sup>c</sup>	0.07
57-74-9	Chloroform	41.6 <sup>c</sup>	38140 <sup>c</sup>	42100 <sup>b</sup>	53 <sup>c</sup> 22 <sup>b</sup>	10
106-47-8	4 - Chloroaniline (p - Chloroaniline)	8,200 <sup>b</sup>	----- <sup>c</sup>	820 <sup>b</sup>	----- <sup>c</sup>	0.7 <sup>b</sup>
108-90-7	Chlorobenzene (Monochlorobenzene)	41,000 <sup>b</sup>	210 <sup>b</sup>	4,100 <sup>b</sup>	1.3 <sup>b</sup>	1
124-48-1	Chlorodibromomethane (Dibromochloromethane)	41,000 <sup>b</sup>	1,300 <sup>d</sup>	41,000 <sup>b</sup>	1,300 <sup>d</sup>	0.4
67-66-3	Chloroform	940 <sup>c</sup>	0.54 <sup>c</sup>	2,000 <sup>b</sup>	0.76 <sup>c</sup>	0.6
218-01-9	Chrysene	780 <sup>c</sup>	----- <sup>c</sup>	17,000 <sup>c</sup>	----- <sup>c</sup>	160
94-75-7	2,4-D <sup>a</sup>	20,000 <sup>b</sup>	----- <sup>c</sup>	2,000 <sup>b</sup>	----- <sup>c</sup>	1.5
						7.7
						*



CAS No	Chemical Name	Industrial-Commercial		Construction Worker		Soil Component of the Groundwater Ingestion Exposure Route Values
		Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	
91-94-1	3,5-Dichlorobenzidine	13 <sup>c</sup>	280 <sup>c</sup>	----- <sup>c</sup>	0.007 <sup>d</sup>	11
75-14-3	1,1-Dichloroethane	200,000 <sup>b</sup>	1,700 <sup>d</sup>	200,000 <sup>b</sup>	130 <sup>b</sup>	23 <sup>b</sup>
107-06-2	1,2-Dichloroethane (ethylene dichloride)	63 <sup>c</sup>	0.70 <sup>c</sup>	1,400 <sup>c</sup>	0.99 <sup>c</sup>	0.02
75-35-4	1,1-Dichloroethylene	18,000 <sup>b</sup>	1,500 <sup>d</sup>	1,800 <sup>b</sup>	8,400 <sup>d</sup>	0.06
156-59-2	cis-1,2-Dichloroethylene	20,000 <sup>b</sup>	1,200 <sup>d</sup>	20,000 <sup>b</sup>	1,200 <sup>d</sup>	0.4
156-60-5	trans-1,2-Dichloroethylene	41,000 <sup>b</sup>	3,100 <sup>d</sup>	41,000 <sup>b</sup>	3,100 <sup>d</sup>	0.7
78-87-5	1,2-Dichloropropane	84 <sup>c</sup>	23 <sup>b</sup>	1,800 <sup>c</sup>	0.50 <sup>b</sup>	0.03
542-75-6	1,3-Dichloropropene (1,3-Dichloropropylene, cis + trans)	83 <sup>c</sup> 57 <sup>c</sup>	610 <sup>c</sup> 1,200 <sup>d</sup>	610 <sup>c</sup> 1,200 <sup>d</sup>	610 <sup>c</sup> 1,200 <sup>d</sup>	0.004 <sup>c</sup>
60-57-1	Dichlorine	0.4 <sup>c</sup>	2.2 <sup>c</sup>	7.8 <sup>c</sup>	1.1 <sup>c</sup>	0.004 <sup>c</sup>
84-66-2	Dichlorophthalate	1,000,000 <sup>b</sup>	2,000 <sup>d</sup>	1,000,000 <sup>b</sup>	2,000 <sup>d</sup>	470 <sup>b</sup>

CAS No	Chemical Name	Industrial-Commercial		Construction Worker		Soil Component of the Groundwater Ingestion Exposure Route Values
		Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	
105-67-9	2,4-Dimethylphenol	41,000 <sup>b</sup>	----- <sup>c</sup>	41,000 <sup>b</sup>	----- <sup>c</sup>	9 <sup>b</sup>
121-14-2	2,4-Dinitrofluorene	84 <sup>c</sup>	----- <sup>c</sup>	180 <sup>c</sup>	----- <sup>c</sup>	0.0008 <sup>c</sup>
606-20-2	2,6-Dinitrofluorene	84 <sup>c</sup>	----- <sup>c</sup>	180 <sup>c</sup>	----- <sup>c</sup>	0.0007 <sup>c</sup>
117-84-0	(1-m-acyl phthalate	41,000 <sup>c</sup>	10,000 <sup>d</sup>	41,000 <sup>c</sup>	10,000 <sup>d</sup>	10,000 <sup>d</sup>
115-29-7	Endosulfan <sup>a</sup>	12,000 <sup>b</sup>	----- <sup>c</sup>	1,200 <sup>b</sup>	----- <sup>c</sup>	18 <sup>b</sup>
145-73-3	Endosulfan <sup>a</sup>	41,000 <sup>c</sup>	----- <sup>c</sup>	4,100 <sup>b</sup>	----- <sup>c</sup>	0.4
72-20-8	Indium	610 <sup>b</sup>	----- <sup>c</sup>	61 <sup>b</sup>	----- <sup>c</sup>	1
100-41-4	Ethylbenzene	200,000 <sup>b</sup>	400 <sup>d</sup>	20,000 <sup>b</sup>	58 <sup>b</sup>	13
206-41-0	Fluoranthene	82,000 <sup>b</sup>	----- <sup>c</sup>	82,000 <sup>b</sup>	----- <sup>c</sup>	4,300 <sup>b</sup>
86-73-7	Fluorene	82,000 <sup>b</sup>	----- <sup>c</sup>	82,000 <sup>b</sup>	----- <sup>c</sup>	500 <sup>b</sup>
76-44-8	Heptachlor	1 <sup>c</sup>	11 <sup>c</sup>	28 <sup>c</sup>	16 <sup>c</sup>	23

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils				Values			
		Industrial-Commercial		Construction Worker		Soil Component of the Groundwater Ingestion Exposure Route		Class I (mg/kg)	
		Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class II (mg/kg)	ADL (mg/kg)		
75-09-2	Methylene chloride (tetrachloroethane)	760 <sup>e</sup>	24 <sup>e</sup>	12,000 <sup>b</sup>	34 <sup>e</sup>	0.02 <sup>e</sup>	0.2	•	•
95-48-7	2-Methylphenol (o-cresol)	100,000 <sup>b</sup>	----- <sup>c</sup>	100,000 <sup>b</sup>	----- <sup>c</sup>	15 <sup>e</sup>	15	•	•
86-50-6	N-Nitrosodiphenylamine	1,200 <sup>e</sup>	----- <sup>c</sup>	25,000 <sup>e</sup>	----- <sup>c</sup>	1 <sup>e</sup>	5.6	0.66 <sup>+</sup>	0.0018
621-61-7	N-Nitrosodi-n-propylamine	0.8 <sup>e</sup>	----- <sup>c</sup>	18 <sup>e</sup>	----- <sup>c</sup>	0.00005 <sup>e</sup>	0.00005	0.66 <sup>+</sup>	0.0018
91-20-3	Naphthalene	82,000-11,000 <sup>b</sup>	270 <sup>b</sup>	8,200-1,100 <sup>b</sup>	1.8 <sup>b</sup>	8412 <sup>b</sup>	420-18	•	•
98-95-3	Nitrobenzene	1,000 <sup>b</sup>	140 <sup>b</sup>	1,000 <sup>b</sup>	94 <sup>b</sup>	0.1 <sup>e</sup>	0.1	0.26	•
108-95-2	Phenol	1,000,000 <sup>b</sup>	----- <sup>c</sup>	120,000 <sup>b</sup>	----- <sup>c</sup>	100 <sup>b</sup>	100	•	•
1918-02-1	Picramin <sup>a</sup>	140,000 <sup>b</sup>	----- <sup>c</sup>	14,000 <sup>b</sup>	----- <sup>c</sup>	2	20	N/A	•
1336-36-3	Polychlorinated biphenyls (PCBs) <sup>a</sup>	1 + 10 <sup>-25b</sup>	----- <sup>c</sup>	1 <sup>b</sup>	----- <sup>c</sup>	----- <sup>b</sup>	----- <sup>b</sup>	•	•
129-00-0	Pyrene	61,000 <sup>b</sup>	----- <sup>c</sup>	61,000 <sup>b</sup>	----- <sup>c</sup>	4,200 <sup>e</sup>	21,000	•	•

CAS No.	Chemical Name	Exposure Route-Specific Values for Soils				Values			
		Industrial-Commercial		Construction Worker		Soil Component of the Groundwater Ingestion Exposure Route		Class I (mg/kg)	
		Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class II (mg/kg)	ADL (mg/kg)		
1024-57-3	Heptachlor epoxide	0.6 <sup>e</sup>	9.2 <sup>e</sup>	2.7 <sup>b</sup>	13 <sup>e</sup>	0.7	3.3	1.005	•
118-74-1	Hexachlorobenzene	4 <sup>e</sup>	1.8 <sup>e</sup>	78 <sup>e</sup>	2.6 <sup>e</sup>	2	11	•	•
319-84-6	<i>alpha</i> -HCH (alpha-BHC)	0.9 <sup>e</sup>	1.5 <sup>e</sup>	20 <sup>e</sup>	2.1 <sup>e</sup>	0.0005 <sup>e</sup>	0.003	0.003	0.0074
58-89-9	<i>gamma</i> -HCH (lindane) <sup>a</sup>	4 <sup>e</sup>	----- <sup>c</sup>	96 <sup>e</sup>	----- <sup>c</sup>	0.009	0.047	•	•
77-47-4	Hexachlorocyclopentadiene	14,000 <sup>b</sup>	16 <sup>b</sup>	14,000 <sup>b</sup>	1.1 <sup>b</sup>	400	2,200 <sup>d</sup>	•	•
67-72-1	Hexachlorocyclohexane	2,000 <sup>b</sup>	----- <sup>c</sup>	2,000 <sup>b</sup>	----- <sup>c</sup>	0.5 <sup>b</sup>	2.6	•	•
193-39-5	Indene(1,2,3-c,d)pyrene	8 <sup>e</sup>	----- <sup>c</sup>	170 <sup>e</sup>	----- <sup>c</sup>	14	69	•	•
78-59-1	Isophorone	410,000 <sup>b</sup>	4,600 <sup>d</sup>	410,000 <sup>b</sup>	4,600 <sup>d</sup>	8 <sup>b</sup>	8	•	•
72-43-5	Methoxychlor <sup>a</sup>	10,000 <sup>b</sup>	----- <sup>c</sup>	1,000 <sup>b</sup>	----- <sup>c</sup>	160	780	•	•
74-83-9	Methyl bromide (bromomethane)	2,900 <sup>b</sup>	15 <sup>b</sup>	1,000 <sup>b</sup>	3.9 <sup>b</sup>	0.2 <sup>b</sup>	1.2	•	•

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADI (mg/kg)
75-01-4	Vinyl chloride	2.7 <sup>a</sup>	0.6 <sup>a</sup>	6.3 <sup>a</sup>	0.8 <sup>a</sup>	0.01 <sup>f</sup>	0.07 <sup>f</sup>	*
108-38-3	m-Xylene	1,000,000	420 <sup>d</sup>	410,000 <sup>b</sup>	420 <sup>d</sup>	210	210	*
95-47-6	o-Xylene	1,000,000	410 <sup>d</sup>	410,000 <sup>b</sup>	410 <sup>d</sup>	190	190	*
106-42-3	p-Xylene	1,000,000	460 <sup>d</sup>	410,000 <sup>b</sup>	460 <sup>d</sup>	200	200	*
1330-20-7	Xylenes (total)	1,000,000 <sup>b</sup>	410 <sup>d</sup>	410,000 <sup>b</sup>	410 <sup>d</sup>	150	150	*
65-85-0	Benzoic Acid	1,000,000 <sup>b</sup>	----- <sup>c</sup>	820,000 <sup>b</sup>	----- <sup>c</sup>	400 <sup>b</sup>	400 <sup>f</sup>	*
95-57-8	2-Chlorophenol	10,000 <sup>b</sup>	53,000 <sup>d</sup>	10,000 <sup>b</sup>	53,000 <sup>d</sup>	40 <sup>b</sup>	20 <sup>f</sup>	*
130-83-2	2,4-Dichlorophenol	6,100 <sup>b</sup>	----- <sup>c</sup>	610 <sup>b</sup>	----- <sup>c</sup>	10 <sup>b</sup>	1 <sup>f</sup>	*
51-28-5	2,4-Trinitrophenol	4,100 <sup>b</sup>	----- <sup>c</sup>	410 <sup>b</sup>	----- <sup>c</sup>	0.2 <sup>b</sup>	0.2 <sup>f</sup>	3
88-83-7	Phenol	2,000 <sup>b</sup>	----- <sup>c</sup>	200 <sup>b</sup>	----- <sup>c</sup>	0.3 <sup>b</sup>	1 <sup>f</sup>	*

Exposure Route-Specific Values for Soils	Industrial-Commercial	Construction Worker	Values
			Soil Component of the Groundwater Ingestion Exposure Route

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	ADI (mg/kg)
123-34-9	Sinazine <sup>a</sup>	10,000 <sup>b</sup>	----- <sup>c</sup>	1,000 <sup>b</sup>	----- <sup>c</sup>	0.04	0.37	NA
100-42-5	Styrene	410,000 <sup>b</sup>	1,500 <sup>d</sup>	41,000 <sup>b</sup>	430 <sup>b</sup>	4	18	*
127-18-4	Tetrahydrofuran (tetrahydrofuran)	110 <sup>f</sup>	20 <sup>f</sup>	2,400 <sup>f</sup>	28 <sup>f</sup>	0.06	0.3	*
108-88-3	Toluene	410,000 <sup>b</sup>	650 <sup>d</sup>	410,000 <sup>b</sup>	42 <sup>b</sup>	12	29	*
8001-35-2	Toxaphene <sup>a</sup>	5.2 <sup>e</sup>	170 <sup>e</sup>	110 <sup>e</sup>	240 <sup>e</sup>	31	150	*
120-82-1	1,2,4-Trichlorobenzene	20,000 <sup>b</sup>	3,200 <sup>d</sup>	2,000 <sup>b</sup>	920 <sup>b</sup>	5	53	*
71-55-6	1,1,1-Trichloroethane	----- <sup>c</sup>	1,200 <sup>d</sup>	----- <sup>c</sup>	1,200 <sup>d</sup>	2	9.6	*
79-00-5	1,1,2-Trichloroethane	8,200 <sup>b</sup>	1,800 <sup>d</sup>	8,200 <sup>b</sup>	1,800 <sup>d</sup>	0.02	0.3	*
79-01-6	Trichloroethylene	520 <sup>e</sup>	8.9 <sup>e</sup>	1,200 <sup>b</sup>	12 <sup>e</sup>	0.06	0.3	*
108-05-4	Vinyl acetate	1,000,000 <sup>b</sup>	1,600 <sup>b</sup>	200,000 <sup>b</sup>	10 <sup>b</sup>	170 <sup>b</sup>	170	*

Exposure Route-Specific Values for Soils	Industrial-Commercial	Construction Worker	Values
			Soil Component of the Groundwater Ingestion Exposure Route





CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	ADL (mg/kg)
7440-48-4	Cobalt	120,000 <sup>b</sup>	----- <sup>c</sup>	12,000 <sup>b</sup>	----- <sup>c</sup>	1.0 <sup>m</sup>	1.0 <sup>m</sup>	*
7440-50-8	Copper <sup>a</sup>	82,000 <sup>b</sup>	----- <sup>c</sup>	8,200 <sup>b</sup>	----- <sup>c</sup>	0.65 <sup>m</sup>	0.65 <sup>m</sup>	*
57-12-5	Cyanide (amenable)	41,000 <sup>b</sup>	----- <sup>c</sup>	4,100 <sup>b</sup>	----- <sup>c</sup>	0.24 <sup>m</sup>	0.64 <sup>m</sup>	*
7782-41-4	Fluoride	120,000 <sup>b</sup>	----- <sup>c</sup>	12,000 <sup>b</sup>	----- <sup>c</sup>	4.0 <sup>m</sup>	4.0 <sup>m</sup>	*
15438-31-0	Iron	----- <sup>c</sup>	----- <sup>c</sup>	----- <sup>c</sup>	----- <sup>c</sup>	5.0 <sup>m</sup>	5.0 <sup>m</sup>	*
7439-92-1	Lead	400 <sup>k</sup>	----- <sup>c</sup>	400 <sup>k</sup>	----- <sup>c</sup>	0.0075 <sup>m</sup>	0.1 <sup>m</sup>	*
7439-96-5	Manganese	96,000 <sup>b</sup>	91,000 <sup>b</sup>	9,600 <sup>b</sup>	8,700 <sup>b</sup>	0.15 <sup>m</sup>	10.0 <sup>m</sup>	*
7439-97-6	Mercury <sup>103</sup>	610 <sup>b</sup>	540,000 <sup>b</sup>	61 <sup>b</sup>	52,000 <sup>b</sup>	0.002 <sup>m</sup>	0.01 <sup>m</sup>	*
7440-02-0	Nickel <sup>1</sup>	41,000 <sup>b</sup>	21,000 <sup>c</sup>	4,100 <sup>b</sup>	440,000 <sup>c</sup>	0.1 <sup>m</sup>	2.0 <sup>m</sup>	*
14797-55-8	Nitrate as N <sup>9</sup>	1,000,000 <sup>b</sup>	----- <sup>c</sup>	330,000 <sup>b</sup>	----- <sup>c</sup>	10.0 <sup>k</sup>	100 <sup>k</sup>	*
7782-49-2	Selenium <sup>10</sup>	10,000 <sup>b</sup>	----- <sup>c</sup>	1,000 <sup>b</sup>	----- <sup>c</sup>	0.05 <sup>m</sup>	0.05 <sup>m</sup>	*

CAS No.	Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/L)	Class II (mg/L)	ADL (mg/kg)
		Industrial-Commercial	Construction Worker	Soil Component of the Exposure Route				
Exposure Route-Specific Values for Soils								
				Values				
				Groundwater Ingestion				
7440-22-4	Silver	10,000 <sup>b</sup>	----- <sup>c</sup>	1,000 <sup>b</sup>	----- <sup>c</sup>	0.05 <sup>m</sup>	-----	*
14808-79-8	Sulfate	----- <sup>c</sup>	----- <sup>c</sup>	----- <sup>c</sup>	----- <sup>c</sup>	400 <sup>m</sup>	400 <sup>m</sup>	*
7440-28-0	Thallium	160 <sup>b</sup>	----- <sup>c</sup>	160 <sup>b</sup>	----- <sup>c</sup>	0.002 <sup>m</sup>	0.02 <sup>m</sup>	*
7440-62-2	Vanadium	14,000 <sup>b</sup>	----- <sup>c</sup>	1,400 <sup>b</sup>	----- <sup>c</sup>	0.049 <sup>m</sup>	0.1 <sup>m</sup>	*
7440-66-6	Zinc <sup>1</sup>	610,000 <sup>b</sup>	----- <sup>c</sup>	61,000 <sup>b</sup>	----- <sup>c</sup>	5.0 <sup>m</sup>	10 <sup>m</sup>	*

"\*" indicates that the ADL is less than or equal to the specified remediation objective.  
NA means Not Available; no PQL or EQL available in USEPA analytical methods.

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Chemical Name and Soil Remediation Objective Notations (2nd, 5th thru 8th Columns)

- (a) Soil remediation objectives based on human health criteria only.
- (b) Calculated values correspond to a target hazard quotient of 1.
- (c) No toxicity criteria available for this route of exposure.
- (d) Soil saturation concentration (C[sat]) = the concentration at which the absorptive limits of the soil particles, the solubility limits of the available soil moisture, and saturation of soil pore air have been reached. Above the soil saturation concentration, the assumptions regarding vapor transport to air and/or dissolved phase transport to groundwater (for chemicals which are liquid at ambient soil temperatures) have been violated, and alternative modeling approaches are required.
- (e) Calculated values correspond to a cancer risk level of 1 in 1,000,000.
- (f) Level is at or below Contract Laboratory Program required quantitation limit for Regular Analytical Services (RAS).

- (g) Chemical-specific properties are such that this route is not of concern at any soil contaminant concentration.

- (h) 40 CFR 761 contains applicability requirements and methodologies for the development of PCB remediation objectives. Requests for approval of a Tier 3 evaluation must address the applicability of 40 CFR 761. A preliminary goal of 1 ppm has been set for PCBs based on guidance on Remedial Actions for Superfund Sites with PCB Contamination. EPA/549G-90/007, and on USEPA efforts to manage PCB contamination. See 40 CFR 761.120 for USEPA PCB Spill Cleanup Policy. This regulation goes on to say that the cleanup goal for an unrestricted area is 10 ppm and 25 ppm for a restricted area, provided both have at least 10 inches of clean cover.

- (i) Soil remediation objective for pH of 6.8. If soil pH is other than 6.8, refer to Appendix B, Tables C and D in this Part.

- (j) Ingestion soil remediation objective adjusted by a factor of 0.5 to account for dermal route.

- (k) A preliminary remediation goal of 400 mg/kg has been set for lead based on Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities, OSWER Directive #9355.4-12.

- (l) Potential for soil-plant-human exposure.

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- (m) The person conducting the remediation has the option to use: (1) TCLP or SPLP test results to compare with the remediation objectives listed in this Table; or (2) the total amount of contaminant in the soil sample results to compare with pH specific remediation objectives listed in Appendix B, Table C or D of this Part. (See Section 742.510.) If the person wishes to calculate remediation objectives based on background concentrations, this should be done in accordance with Subpart D of this Part.

- (n) The Agency reserves the right to evaluate the potential for remaining contaminant concentrations to pose significant threats to crops, livestock, or wildlife.

- (o) For agricultural facilities, remediation objectives for surficial soils which are based on field application rates may be more appropriate for currently registered pesticides. Consult the Agency for further information.

- (p) For agricultural facilities, soil remediation objectives based on site-specific background concentrations of Nitrate as N may be more appropriate. Such determinations shall be conducted in accordance with the procedures set forth located in Subparts D and I of this Part.

- (q) The TCLP extraction must be done using water at a pH of 7.0.

- (r) Value based on dietary Reference Dose.

- (s) Value for ingestion based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7); value for Inhalation based on Reference Concentration for elemental Mercury (CAS No. 7439-97-6). Value based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7).

- (t) For the ingestion route for arsenic for industrial/commercial, see 742 Appendix A, Table G. Note that table value is likely to be less than background concentration for this chemical screening or remediation concentrations using the procedures of Subpart B of this Part.

- (u) Value based on Reference Dose for Thallium thallium sulfate (CAS No. 7446-18-6).

- (v) Calculated values correspond to soil concentrations that should not result in air concentrations that exceed criteria for workplace air.

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)



Chemical (totals) (mg/kg)	Inorganics	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (6)	Copper	Cyanide	Mercury	Nickel	Selenium	Silver
pH 4.5 to 4.74	5	26	25	260	1.1	1.0	70	330	40	0.01	20	24	0.24
pH 4.75 to 5.24	5	27	28	850	3.4	2.7	62	580	40	0.01	36	17	0.33
pH 5.25 to 5.74	5	28	29	1,200	6.6	3.7	46	1,100	40	0.03	76	8.8	0.62
pH 5.75 to 6.24	5	29	29	1,500	22	5.2	40	59,000	40	0.89	100	6.3	4.4
pH 6.25 to 6.64	5	29	29	1,600	63	7.5	38	130,000	40	2.1	130	5.2	8.5
pH 6.65 to 7.24	5	29	29	1,700	140	11	36	200,000	40	3.3	180	4.5	13
pH 7.25 to 7.74	5	30	31	1,800	1,000	59	32	330,000	40	6.4	700	3.3	39
pH 7.75 to 8.24	5	31	32	2,100	8,000	430	28	330,000	40	8.0	3,800	2.4	110
pH 8.25 to 8.74	5	32	33	2,100	8,000	430	24	330,000	40	8.0	3,800	1.8	1.3
pH 8.75 to 9.0	5	33	33	2,100	8,000	430	21	330,000	40	8.0	3,800	1.3	1.3

Chemical (totals) (mg/kg)	Thallium	Vanadium	Zinc	Organics	Benzoic Acid	2-Chlorophenol	2,4-Dichlorophenol	Di-n-sec	Pentachlorophenol	2,4,5-TP (Silvex)	Trichlorophenol	2,4,6-Trichlorophenol
pH 4.5 to 4.74	1.6	980	1,000	410	410	4.0	1.0	8.4	0.54	26	400	0.37
pH 4.75 to 5.24	1.8	980	1,800	410	4.0	1.0	1.0	4.5	0.32	16	390	0.36
pH 5.25 to 5.74	2.0	980	2,600	410	4.0	1.0	1.0	1.9	0.15	12	390	0.34
pH 5.75 to 6.24	2.4	980	3,600	400	4.0	1.0	1.0	0.82	0.07	11	370	0.29
pH 6.25 to 6.64	2.6	980	5,100	400	3.9	1.0	1.0	0.43	0.04	11	320	0.20
pH 6.65 to 7.24	2.8	980	6,200	400	3.9	1.0	1.0	0.34	0.03	11	270	0.15
pH 7.25 to 7.74	3.0	980	7,500	400	3.6	0.86	0.27	0.27	0.02	11	230	0.13
pH 7.75 to 8.24	3.4	980	16,000	400	3.1	0.69	0.25	0.25	0.02	11	130	0.09
pH 8.25 to 8.74	4.4	980	53,000	400	2.2	0.56	0.25	0.25	0.02	11	64	0.07
pH 8.75 to 9.0	4.9	980	980	400	1.5	0.48	0.25	0.25	0.02	11	36	0.07

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(Source: Amended at 25 Ill. Reg. 103743 effective )

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Chemical (totals) (mg/kg)	pH 4.5 to 4.74	pH 4.75 to 5.24	pH 5.25 to 5.74	pH 5.75 to 6.24	pH 6.25 to 6.64	pH 6.65 to 6.89	pH 6.9 to 7.24	pH 7.25 to 7.74	pH 7.75 to 8.08	pH 8.24 to 8.74	pH 8.75 to 9.0
Inorganics	20	20	20	20	20	20	20	20	20	20	20
Antimony	100	100	100	110	110	120	120	120	120	130	130
Arsenic	260	490	850	1,200	1,500	1,600	1,700	1,800	2,100	2,100	2,100
Beryllium	140	260	420	820	2,800	7,900	17,000	130,000	1,000,000	4,300	No Data
Cadmium	10	17	27	37	52	75	110	590	4,300	No Data	No Data
Chromium (6)	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Copper	330	580	2,100	11,000	59,000	130,000	200,000	330,000	330,000	120	120
Cyanide	120	120	120	120	120	120	120	120	40	120	120
Mercury	0.05	0.06	0.14	0.75	4.4	10	16	32	40	120	120
Nickel	400	730	1,100	1,500	2,000	2,600	3,500	14,000	76,000	120	120
Selenium	24	17	12	8.8	6.3	5.2	4.5	3.3	2.4	1.8	1.3
Thallium	16	18	20	24	26	28	30	34	38	44	49
Zinc	2,000	3,600	5,200	7,200	10,000	12,000	15,000	32,000	110,000	120	120

Section 742. Table D: pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class II (Groundwater))

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(Source: Amended at 25 Ill. Reg. 10374<sup>2</sup>, effective )

Chemical (totals) (mg/kg)	pH 4.5 to 4.74	pH 4.75 to 5.24	pH 5.25 to 5.74	pH 5.75 to 6.24	pH 6.25 to 6.64	pH 6.65 to 6.89	pH 6.9 to 7.24	pH 7.25 to 7.74	pH 7.75 to 8.08	pH 8.09 to 8.24	pH 8.25 to 8.74	pH 8.75 to 9.0
Organics												
Benzoic Acid	440	420	410	400	400	400	400	400	400	400	400	400
2-Chlorophenol	20	20	20	20	20	20	19	3.6	1.1	2.2	1.5	
2,4-Dichlorophenol	10	10	10	10	10	10	10	0.86	0.69	0.56	0.48	
1-nitro-2	84	45	19	8.2	4.3	3.4	3.1	2.7	2.5	2.5	2.5	
Pentachlorophenol	2.7	1.6	0.75	0.33	0.18	0.15	0.12	0.11	0.10	0.10	0.10	
2,4,5-TP (Silvex)	130	79	62	57	55	55	55	55	55	55	55	
Trichlorophenol	2,000	2,000	1,900	1,800	1,600	1,400	1,200	640	64	36	26	
2,4,6-Trichlorophenol	1.9	1.8	1.7	1.4	1.0	0.77	0.13	0.09	0.07	0.07	0.07	



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## Section 742. TABLE E Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route

## Groundwater Remediation Objective

CAS No.	Chemical Name	Class I (mg/L)	Class II (mg/L)
83-32-9	Acenaphthene	0.42	2.1
67-64-1	Acetone	0.7	0.7
15972-60-8	Alachlor	0.002(c)	0.01(c)
116-06-3	Aldicarb	0.003(c)	0.015(c)
309-00-2	Aldrin	0.014(a)0-00004(†)	0.070-0002
120-12-7	Anthracene	2.1	10.5
1912-24-9	Atrazine	0.003(c)	0.015(c)
71-43-2	Benzene	0.005(c)	0.025(c)
56-55-3	Benzo(a)anthracene	0.00013(a)	0.00065
205-99-2	Benzo(b)fluoranthene	0.00018(a)	0.0009
207-08-9	Benzo(k)fluoranthene	0.00017(a)	0.00085
50-32-8	Benzo(a)pyrene	0.0002(a,c)	0.002(c)
111-44-4	Bis(2-chloroethyl)ether	0.01(a)	0.01
117-81-7	Bis(2-ethylhexyl)phthalate	0.006(†rc)	0.06(c)
75-27-4	Di(2-ethylhexylphthalate)	0.0002(a)9-00002(†)	0.00020-0000
75-25-2	Bromoform	0.001(a)0-0002(†)	0.0010-0002
71-36-3	Butanol	0.7	0.7
85-68-7	Butyl benzyl phthalate	1.4	7.0
86-74-8	Carbazole	---	---
1563-66-2	Carbofuran	0.04(c)	0.2(c)
75-15-0	Carbon disulfide	0.7	3.5
56-23-5	Carbon tetrachloride	0.005(c)	0.025(c)
57-74-9	Chlordane	0.002(c)	0.01(c)
108-90-7	Chlorobenzene	0.1(c)	0.5(c)
124-48-1	(Monochlorobenzene)	0.14	0.14
67-66-3	Chlorodibromomethane	0.0002(a)9-00002(†)	0.0010-0001
218-01-9	Chloroform	0.0015(a)	0.0075
94-75-7	Chrysene	0.07(c)	0.35(c)
75-99-0	2,4-D	0.2(c)	2.0(c)
72-54-8	Dalapon	0.014(a)0-00011(†)	0.070-00055
72-55-9	DDD	0.01(a)0-00004(†)	0.050-0002
72-59-3	DDE	0.006(a)0-00012(†)	0.030-0006
50-29-3	DPT	0.0003(a)	0.0015
53-70-3	Dibenz(o,a,h)anthracene	0.0002(c)	0.0002(c)
96-12-8	1,2-Dibromo-3-chloropropane	0.00005(†rc)	0.0005(c)
106-93-4	1,2-Dibromomethane (Ethylene dibromide)		

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## Groundwater Remediation Objective

Chemical Name	Class I (mg/L)	Class II (mg/L)
Di-n-butyl phthalate	0.7	3.5
1,2-Dichlorobenzene	0.6(c)	1.5(c)
(o-Dichlorobenzene)		
1,4-Dichlorobenzene	0.075(c)	0.375(c)
(p-Dichlorobenzene)		
3,3'-Dichlorobenzidine	0.02(a)	0.1
1,1-Dichloroethane	0.7	3.5
1,2-Dichloroethane	0.005(c)	0.025(c)
(Ethylene dichloride)		
1,1-Dichloroethylene(b)	0.007(c)	0.035(c)
cis-1,2-Dichloroethylene	0.07(c)	0.2(c)
trans-1,2-Dichloroethylene	0.1(c)	0.5(c)
1,2-Dichloropropane	0.005(c)	0.025(c)
1,3-Dichloropropene	0.001(a)	0.005
(1,3-Dichloropropylene, cis + trans)		
Dieldrin	0.009(a)0-00002(†)	0.0450-0001
Diethyl phthalate	5.6	5.6
2,4-Dinitrotoluene(†)	0.0002	0.0002
2,6-Dinitrotoluene(†)	0.00031(a)0-0001	0.000310-0001
Dinoseb	0.007(c)	0.07(c)
Di-n-octyl phthalate	0.14	0.7
Endosulfan	0.042	0.21
Endothall	0.1(c)	0.1(c)
Endrin	0.002(c)	0.01(c)
Ethylbenzene	0.7(c)	1.0(c)
Fluoranthene	0.28	1.4
Fluorene	0.28	1.4
Heptachlor	0.0004(c)	0.002(c)
Heptachlor epoxide	0.0003(c)	0.001(c)
Hexachlorobenzene	0.0006(a)	0.0003
<i>alpha</i> -HCH		
( <i>alpha</i> -BHC)	0.00011(a)0-00003(†)	0.00050-0
<i>gamma</i> -HCH (Lindane)	0.0002(c)	0.001(c)
Hexachlorocyclopentadiene	0.05(c)	0.5(c)
Hexachloroethane	0.007	0.035
Indeno(1,2,3-c,d)pyrene	0.00043(a)	0.00215
Isophorone	1.4	1.4
Methoxychlor	0.04(c)	0.2(c)
Methyl bromide (Bromomethane)	0.0098	0.049
Methylene chloride (Dichloromethane)	0.05(c)	0.05(c)

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## NOTICE OF ADOPTED AMENDMENTS

## Groundwater Remediation Objective

CAS No.	Chemical Name	Class I (mg/L)	Class II (mg/L)
91-20-3	Naphthalene <del>(b)</del> †	0.140-025	0.220-039
98-95-3	Nitrobenzene <del>(b)</del> †	0.0035	0.0035
86-30-6	N-Nitrosodiphenylamine	0.00320-0†(a)	0.0160-05
621-64-7	N-Nitrosodi-n-propylamine	0.00180-0†(a)	0.00180-0†
87-86-5	Pentachlorophenol	0.001(c)	0.005(c)
108-95-2	Phenol	0.1(c)	0.1(c)
1918-02-1	Picloram	0.5(c)	5.0(c)
1336-36-3	Polychlorinated biphenyls (PCBs)†	0.0005(c)	0.0025(c)
129-00-0	Pyrene	0.21	1.05
122-34-9	Simazine	0.004(c)	0.04(c)
100-42-5	Styrene	0.1(c)	0.5(c)
93-72-1	2,4,5-TP (Silvex)	0.05(c)	0.25(c)
127-18-4	Tetrachloroethylene (Perchloroethylene)	0.005(c)	0.025(c)
108-88-3	Toluene	1.0(c)	2.5(c)
8001-35-2	Toxaphene	0.003(c)	0.015(c)
120-82-1	1,2,4-Trichlorobenzene	0.07(c)	0.7(c)
71-55-6	1,1,1-Trichloroethane(2)	0.2(c)	1.0(c)
79-00-5	1,1,2-Trichloroethane	0.005(c)	0.05(c)
79-01-6	Trichloroethylene	0.005(c)	0.025(c)
108-05-4	Vinyl acetate	7.0	7.0
75-01-4	Vinyl chloride	0.002(c)	0.01(c)
1330-20-7	Xylenes (total)	10.0(c)	10.0(c)

## Ionizable Organics

65-85-0	Benzoic Acid	28	28
106-47-8	4-Chloroaniline	0.028	0.028
	(p-Chloroaniline)		
95-57-8	2-Chlorophenol	0.035	0.175
120-83-2	2,4-Dichlorophenol	0.021	0.021
95-95-4	2,4,5-Trichlorophenol	0.7	3.5
88-06-2	2,4,6-Trichlorophenol	0.010-0064(a)	0.050-032

## Inorganics

7440-36-0	Antimony	0.006(c)	0.024(c)
7440-38-2	Arsenic	0.05(c)	0.2(c)
7440-39-3	Barium	2.0(c)	2.0(c)
7440-41-7	Beryllium	0.004(c)	0.5(c)
7440-42-8	Boron	2.0(c)	2.0(c)
7440-43-9	Cadmium	0.005(c)	0.05(c)

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

## Groundwater Remediation Objective

CAS No.	Chemical Name	Class I (mg/L)	Class II (mg/L)
16887-00-6	Chloride	200(c)	200(c)
7440-47-3	Chromium, total	0.1(c)	1.0(c)
18540-29-9	Chromium, ion, hexavalent	---	---
7440-48-4	Cobalt	1.0(c)	1.0(c)
7440-50-8	Copper	0.65(c)	0.65(c)
57-12-5	Cyanide	0.2(c)	0.6(c)
7782-41-4	Fluoride	4.0(c)	4.0(c)
15438-31-0	Iron	5.0(c)	5.0(c)
7439-92-1	Lead	0.0075(c)	0.1(c)
7439-96-5	Manganese	0.15(c)	10.0(c)
7439-97-6	Mercury	0.002(c)	0.01(c)
7440-02-0	Nickel	0.1(c)	2.0(c)
14797-55-8	Nitrate as N	10.0(c)	100(c)
7782-49-2	Selenium	0.05(c)	0.05(c)
7440-22-4	Silver	0.05(c)	---
14808-79-8	Sulfate	400(c)	400(c)
7440-28-0	Thallium	0.002(c)	0.02(c)
7440-62-2	Vanadium <del>(b)</del> †	0.049	0.1
7440-66-6	Zinc	5.0(c)	10(c)

## Chemical Name and Groundwater Remediation Objective Notations

(a) The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 Ill. Adm. Code 620. The groundwater-Health-Advisory-concentration-is-equal-to-ADB-for carcinogens.

(b) Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.

(c) Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 Ill. Adm. Code 620.410 for Class I Groundwater or 35 Ill. Adm. Code 620.420 for Class II Groundwater.

(Source: Amended at 25 Ill. Reg. 10374<sup>3</sup> effective





## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

CAS No.	Chemical Name	Class I (mg/L)	Class II (mg/L)
91-20-3	Naphthalene	0.14 ±0.04b	0.225±0
98-95-3	Nitrobenzene	0.02(b)	0.02
1918-02-1	Picloram	0.5(c)	5.0(c)
1336-36-3	Polychlorinated biphenyls (PCBs)	---	---
129-00-0	Pyrene	1.0(b)	5.0
122-34-9	Simazine	0.004(c)	0.04(c)
100-42-5	Styrene	0.1(c)	0.5(c)
93-72-1	2,4,5-TP (Silvex)	0.05(c)	0.25(c)
127-18-4	Tetrachloroethylene (Perchloroethylene)	0.005(c)	0.025(c)
108-88-3	Toluene	1.0(c)	2.5(c)
8001-35-2	Toxaphene	0.003(c)	0.015(c)
120-82-1	1,2,4-Trichlorobenzene	0.07(c)	0.7(c)
71-55-6	1,1,1-Trichloroethane(2)	0.2(c)	1.0(c)
79-00-5	1,1,2-Trichloroethane	0.005(c)	0.05(c)
79-01-6	Trichloroethylene	0.005(c)	0.025(c)
108-05-4	Vinyl Acetate	40(b)	40
75-01-4	Vinyl Chloride	0.002(c)	0.01(c)
1330-20-7	Xylenes (total)	10.0(c)	10.0(c)
<b>Ionizable Organics</b>			
65-85-0	Benzoic Acid	100(b)	100
106-47-8	4-Chloroaniline (p-Chloroaniline)	0.1(b)	0.1
95-57-8	2-Chlorophenol	0.2(b)	1.0
120-83-2	2,4-Dichlorophenol	0.1(b)	0.1
105-67-9	2,4-Dimethylphenol	0.7(b)	0.7
51-28-5	2,4-Dinitrophenol	0.04(b)	0.04
95-48-7	2-Methylphenol (o - Cresol)	2.0(b)	2.0
86-30-6	N-Nitrosodiphenylamine	0.02(b)	0.1
621-64-7	N-Nitrosodi-n-propylamine	1.0E-5(b)	1.0E-5
87-86-5	Pentachlorophenol	0.001(a,c)	0.005(c)
108-95-2	Phenol	0.1(c)	0.1(c)
95-95-4	2,4,5-Trichlorophenol	4.0(b)	20
88-06-2	2,4,6-Trichlorophenol	0.008(b)	0.04
<b>Inorganics</b>			
7440-36-0	Antimony	0.006(c)	0.024(c)
7440-38-2	Arsenic	0.05(c)	0.2(c)
7440-39-3	Barium	2.0(c)	2.0(c)
7440-41-7	Beryllium	0.004(c)	0.5(c)

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

CAS No.	Chemical Name	Class I (mg/L)	Class II (mg/L)
7440-42-8	Boron	2.0(c)	2.0(c)
7440-43-9	Cadmium	0.005(c)	0.05(c)
16887-00-6	Chloride	200(c)	200(c)
7440-47-3	Chromium, total	0.1(c)	1.0(c)
18540-29-9	Chromium, ion, hexavalent	---	---
7440-48-4	Cobalt	1.0(c)	1.0(c)
7440-50-8	Copper	0.65(c)	0.65(c)
57-12-5	Cyanide	0.2(c)	0.6(c)
7782-41-4	Fluoride	4.0(c)	4.0(c)
15438-31-0	Iron	5.0(c)	5.0(c)
7439-92-1	Lead	0.0075(c)	0.1(c)
7439-96-5	Manganese	0.15(c)	10.0(c)
7439-97-6	Mercury	0.002(c)	0.01(c)
7440-02-0	Nickel	0.1(c)	2.0(c)
14797-55-8	Nitrate as N	10.0(c)	100(c)
7782-49-2	Selenium	0.05(c)	0.05(c)
7440-22-4	Silver	0.05(c)	---
14808-79-8	Sulfate	400(c)	400(c)
7440-28-0	Thallium	0.002(c)	0.02(c)
7440-62-2	Vanadium	0.049	0.1
7440-66-6	Zinc	5.0(c)	10(c)

## Chemical Name and Groundwater Remediation Objective Notations

(a) The Equation S17 is used to calculate the Soil Remediation Objective for the Soil Component of the Groundwater Ingestion Route; this equation requires calculation of the Target Soil Leachate Concentration (C<sub>lw</sub>) from Equation S18: C<sub>lw</sub> = DF x GW[obj].

(b) Value listed is the Water Health Based Limit (HBL) for this chemical from Soil Screening Guidance: User's Guide, incorporated by reference at Section 742.210. ~~The~~ ~~for~~ ~~carcinogens~~; the HBL is equal to the non-zero MCLG (if available); the MCL (if available); or, for carcinogens, a cancer risk of 1.0E-6, and for noncarcinogens is equal to a Hazard Quotient of 1.0. NOTE: These GW[obj] concentrations are not equal to the Tier 1 Groundwater Remediation Objectives for the Direct Ingestion of Groundwater Component of the Groundwater Ingestion Route, listed in Section 742. Appendix B, Table E.

(c) Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 Ill. Adm. Code 620.410 for Class I Groundwater or 35 Ill. Adm. Code 620.420 for Class II Groundwater.

(Source: Amended at 25 Ill. Reg. 10374, effective 1/1/01)

Equations for Soil Ingestion Exposure Route		Equations for Inhalation Exposure Route (Volatile) Organic Compounds and Metals	
S1	$THQ \cdot BW \cdot AT \cdot 365 \cdot \frac{IR_{soil}}{10^{-6} \cdot kg} \cdot EF \cdot \frac{RfD_o}{mg}$	S2	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$
S3	$THQ \cdot BW \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	S4	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$
S5	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	S6	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$
S7	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	S8	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$
S9	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	S10	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$

S5	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Remediation Objectives for Noncarcinogenic Contaminants - Construction Worker (mg/kg)
S6	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Remediation Objectives for Carcinogenic Contaminants - Residential/Commercial, Industrial/Construction Worker (mg/kg)
S7	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Remediation Objectives for Construction Worker (mg/kg)
S8	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Equation for Derivation of the Volatilization Factor - Residential, Industrial/Commercial, VF (m <sup>3</sup> /kg)
S9	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Equation for Derivation of the Volatilization Factor - Construction Worker, VF (m <sup>3</sup> /kg)
S10	$THQ \cdot AT \cdot 365 \cdot \frac{IR_{soil} \cdot SF_o \cdot 10^{-6} \cdot kg}{yr} \cdot EF \cdot \frac{RfD_o}{mg}$	Equation for Derivation of Apparent Diffusivity, D <sub>a</sub> (cm <sup>2</sup> /s)

S16	Equation for Derivation of Particulate Emission Factor, PEF - Construction Worker (m <sup>3</sup> /kg)	NOTE: PEF must be the industrial/commercial value $PEF = \frac{P}{10}$	
S17	Remediation Objective (mg/kg)	NOTE: This equation can only be used to model contaminant migration not in the water bearing unit. $C_w = \left[ K'' + \left( \theta_w + \theta_a \cdot H' \right) \right] \cdot \rho_b$	
S18	Target Soil Leachate Concentration, C <sub>sl</sub> (mg/l)	$C_w = DF \cdot GW_{abf}$	
S19	Soil-Water Partition Coefficient, K <sub>d</sub> (cm <sup>3</sup> /g)	$K_d = K_{oc} \cdot f_{oc}$	
S20	Water-Filled Soil Porosity, θ <sub>w</sub> (L <sub>water</sub> /L <sub>soil</sub> )	$\theta_w = \eta \cdot \left( \frac{K_i}{I} \right)^{1/(2\delta + 3)}$	
S21	Air-Filled Soil Porosity, θ <sub>a</sub> (L <sub>air</sub> /L <sub>soil</sub> )	$\theta_a = \eta - \theta_w$	
S22	Dilution Factor, DF (unitless)	$DF = 1 + \frac{K_i \cdot I \cdot L}{I}$	

Equations for the Soil Component of the Groundwater Ingestion Exposure Route

S11	Remediation Objectives for Residential, Industrial/Commercial (mg/kg)	$THQ \cdot AT \cdot 365 \frac{d}{yr} \cdot \left( \frac{EF \cdot ED}{1} \cdot \frac{P}{PEF} \right)$	
S12	Remediation Objectives for Noncarcinogenic Contaminants - Construction Worker (mg/kg)	$THQ \cdot AT \cdot 365 \frac{d}{yr} \cdot \left( \frac{1}{1} \cdot \left( \frac{1}{1} \cdot \frac{P}{PEF} \right) \right)$	
S13	Remediation Objectives for Carcinogenic Contaminants - Residential, Industrial/Commercial (mg/kg)	$TR \cdot AT \cdot 365 \frac{d}{yr} \cdot \left( \frac{URF \cdot 1,000 \frac{ug}{mg} \cdot EF \cdot ED \cdot P}{1} \right)$	
S14	Remediation Objectives for Carcinogenic Contaminants - Construction Worker (mg/kg)	$TR \cdot AT \cdot 365 \frac{d}{yr} \cdot \left( \frac{URF \cdot 1,000 \frac{ug}{mg} \cdot EF \cdot ED \cdot P}{1} \right)$	
S15	Equation for Derivation of Particulate Emission Factor, PEF (m <sup>3</sup> /kg)	$PEF = \frac{C}{Q} \cdot \frac{3,600 \frac{s}{hr}}{0.036 \cdot (1 - V) \cdot \left( \frac{U_m}{U_l} \right) \cdot I \cdot N}$	

Equations for Inhalation Exposure Route (Inhalative Dosis)



S23		$\frac{TR \cdot BW \cdot AT_c \cdot 365}{d} \cdot \frac{SF_a \cdot IR_u \cdot EF \cdot ED}{yr}$		Groundwater Remediation Objective for Carcinogenic Contaminants, $GW_{obj}$ (mg/L)
S24		$\eta = 1 - \frac{\rho_s}{\rho_f}$		Total Soil Porosity, $\eta$ (unitless)
S25		$d = (0.0112 \cdot L_2 \cdot L_1^{0.5} + d_u) \left[ 1 - \exp(-L \cdot I) \right] \cdot K \cdot I \cdot d_u$		Equation for Estimation of Mixing Zone Depth, $d$ (m)
S26		$VF_{M-L} = \frac{C}{Q} \cdot \left[ T_{M-L} \cdot \left( 3.15 \cdot 10^7 \frac{s}{yr} \right) \right] \cdot \frac{\rho_b \cdot d_s \cdot 10^6}{g \cdot cm^3} \cdot \frac{mg}{m^3}$ <p>NOTE: This equation may be used when area and depth of contaminant source are vertical thickness of contamination is known or can be estimated reliably.</p>		Mass-Limit Equations for Route and Soil Route and Soil Component of the Exposure Route Groundwater Ingestion Exposure Route
S27		$VF_{M-L} = \frac{VF_{M-L}}{VF_{M-L}}$		Mass-Limit Volatilization Factor for Inhalation Exposure Route - Construction Worker, $VF^c$ (unitless)

S28	$\frac{(C_w \cdot I_{M-L} \cdot ED_{M-L})}{\rho_b \cdot d_s}$ <p>NOTE: This equation may be used when area and depth of contaminant source are vertical thickness is known or can be estimated reliably.</p>	Mass-Limit Remediation Objective for Soil Component of the Groundwater Ingestion Exposure Route (mg/kg)
S29	$C_{sat} = \frac{\rho_b}{S} \cdot \left[ (K_u \cdot \rho_b) + \theta_u + (H \cdot \rho_b) \right]$	Equation for Derivation of the Soil Saturation Limit, $C_{sat}$

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(Source: Amended at 25 Ill. Reg. 10374, effective )

Symbol	Parameter	Units	Source	Parameter Value(s)	AT	AT <sub>2</sub>	AT <sub>3</sub>	AT <sub>4</sub>	AT <sub>5</sub>	AT <sub>6</sub>	AT <sub>7</sub>	AT <sub>8</sub>	AT <sub>9</sub>	AT <sub>10</sub>	AT <sub>11</sub>	AT <sub>12</sub>	AT <sub>13</sub>	AT <sub>14</sub>	AT <sub>15</sub>	AT <sub>16</sub>	AT <sub>17</sub>	AT <sub>18</sub>	AT <sub>19</sub>	AT <sub>20</sub>	AT <sub>21</sub>	AT <sub>22</sub>	AT <sub>23</sub>	AT <sub>24</sub>	AT <sub>25</sub>	AT <sub>26</sub>	AT <sub>27</sub>	AT <sub>28</sub>	AT <sub>29</sub>	AT <sub>30</sub>	AT <sub>31</sub>	AT <sub>32</sub>	AT <sub>33</sub>	AT <sub>34</sub>	AT <sub>35</sub>	AT <sub>36</sub>	AT <sub>37</sub>	AT <sub>38</sub>	AT <sub>39</sub>	AT <sub>40</sub>	AT <sub>41</sub>	AT <sub>42</sub>	AT <sub>43</sub>	AT <sub>44</sub>	AT <sub>45</sub>	AT <sub>46</sub>	AT <sub>47</sub>	AT <sub>48</sub>	AT <sub>49</sub>	AT <sub>50</sub>	AT <sub>51</sub>	AT <sub>52</sub>	AT <sub>53</sub>	AT <sub>54</sub>	AT <sub>55</sub>	AT <sub>56</sub>	AT <sub>57</sub>	AT <sub>58</sub>	AT <sub>59</sub>	AT <sub>60</sub>	AT <sub>61</sub>	AT <sub>62</sub>	AT <sub>63</sub>	AT <sub>64</sub>	AT <sub>65</sub>	AT <sub>66</sub>	AT <sub>67</sub>	AT <sub>68</sub>	AT <sub>69</sub>	AT <sub>70</sub>	AT <sub>71</sub>	AT <sub>72</sub>	AT <sub>73</sub>	AT <sub>74</sub>	AT <sub>75</sub>	AT <sub>76</sub>	AT <sub>77</sub>	AT <sub>78</sub>	AT <sub>79</sub>	AT <sub>80</sub>	AT <sub>81</sub>	AT <sub>82</sub>	AT <sub>83</sub>	AT <sub>84</sub>	AT <sub>85</sub>	AT <sub>86</sub>	AT <sub>87</sub>	AT <sub>88</sub>	AT <sub>89</sub>	AT <sub>90</sub>	AT <sub>91</sub>	AT <sub>92</sub>	AT <sub>93</sub>	AT <sub>94</sub>	AT <sub>95</sub>	AT <sub>96</sub>	AT <sub>97</sub>	AT <sub>98</sub>	AT <sub>99</sub>	AT <sub>100</sub>	AT <sub>101</sub>	AT <sub>102</sub>	AT <sub>103</sub>	AT <sub>104</sub>	AT <sub>105</sub>	AT <sub>106</sub>	AT <sub>107</sub>	AT <sub>108</sub>	AT <sub>109</sub>	AT <sub>110</sub>	AT <sub>111</sub>	AT <sub>112</sub>	AT <sub>113</sub>	AT <sub>114</sub>	AT <sub>115</sub>	AT <sub>116</sub>	AT <sub>117</sub>	AT <sub>118</sub>	AT <sub>119</sub>	AT <sub>120</sub>	AT <sub>121</sub>	AT <sub>122</sub>	AT <sub>123</sub>	AT <sub>124</sub>	AT <sub>125</sub>	AT <sub>126</sub>	AT <sub>127</sub>	AT <sub>128</sub>	AT <sub>129</sub>	AT <sub>130</sub>	AT <sub>131</sub>	AT <sub>132</sub>	AT <sub>133</sub>	AT <sub>134</sub>	AT <sub>135</sub>	AT <sub>136</sub>	AT <sub>137</sub>	AT <sub>138</sub>	AT <sub>139</sub>	AT <sub>140</sub>	AT <sub>141</sub>	AT <sub>142</sub>	AT <sub>143</sub>	AT <sub>144</sub>	AT <sub>145</sub>	AT <sub>146</sub>	AT <sub>147</sub>	AT <sub>148</sub>	AT <sub>149</sub>	AT <sub>150</sub>	AT <sub>151</sub>	AT <sub>152</sub>	AT <sub>153</sub>	AT <sub>154</sub>	AT <sub>155</sub>	AT <sub>156</sub>	AT <sub>157</sub>	AT <sub>158</sub>	AT <sub>159</sub>	AT <sub>160</sub>	AT <sub>161</sub>	AT <sub>162</sub>	AT <sub>163</sub>	AT <sub>164</sub>	AT <sub>165</sub>	AT <sub>166</sub>	AT <sub>167</sub>	AT <sub>168</sub>	AT <sub>169</sub>	AT <sub>170</sub>	AT <sub>171</sub>	AT <sub>172</sub>	AT <sub>173</sub>	AT <sub>174</sub>	AT <sub>175</sub>	AT <sub>176</sub>	AT <sub>177</sub>	AT <sub>178</sub>	AT <sub>179</sub>	AT <sub>180</sub>	AT <sub>181</sub>	AT <sub>182</sub>	AT <sub>183</sub>	AT <sub>184</sub>	AT <sub>185</sub>	AT <sub>186</sub>	AT <sub>187</sub>	AT <sub>188</sub>	AT <sub>189</sub>	AT <sub>190</sub>	AT <sub>191</sub>	AT <sub>192</sub>	AT <sub>193</sub>	AT <sub>194</sub>	AT <sub>195</sub>	AT <sub>196</sub>	AT <sub>197</sub>	AT <sub>198</sub>	AT <sub>199</sub>	AT <sub>200</sub>	AT <sub>201</sub>	AT <sub>202</sub>	AT <sub>203</sub>	AT <sub>204</sub>	AT <sub>205</sub>	AT <sub>206</sub>	AT <sub>207</sub>	AT <sub>208</sub>	AT <sub>209</sub>	AT <sub>210</sub>	AT <sub>211</sub>	AT <sub>212</sub>	AT <sub>213</sub>	AT <sub>214</sub>	AT <sub>215</sub>	AT <sub>216</sub>	AT <sub>217</sub>	AT <sub>218</sub>	AT <sub>219</sub>	AT <sub>220</sub>	AT <sub>221</sub>	AT <sub>222</sub>	AT <sub>223</sub>	AT <sub>224</sub>	AT 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<sub>280</sub>	AT <sub>281</sub>	AT <sub>282</sub>	AT <sub>283</sub>	AT <sub>284</sub>	AT <sub>285</sub>	AT <sub>286</sub>	AT <sub>287</sub>	AT <sub>288</sub>	AT <sub>289</sub>	AT <sub>290</sub>	AT <sub>291</sub>	AT <sub>292</sub>	AT <sub>293</sub>	AT <sub>294</sub>	AT <sub>295</sub>	AT <sub>296</sub>	AT <sub>297</sub>	AT <sub>298</sub>	AT <sub>299</sub>	AT <sub>300</sub>	AT <sub>301</sub>	AT <sub>302</sub>	AT <sub>303</sub>	AT <sub>304</sub>	AT <sub>305</sub>	AT <sub>306</sub>	AT <sub>307</sub>	AT <sub>308</sub>	AT <sub>309</sub>	AT <sub>310</sub>	AT <sub>311</sub>	AT <sub>312</sub>	AT <sub>313</sub>	AT <sub>314</sub>	AT <sub>315</sub>	AT <sub>316</sub>	AT <sub>317</sub>	AT <sub>318</sub>	AT <sub>319</sub>	AT <sub>320</sub>	AT <sub>321</sub>	AT <sub>322</sub>	AT <sub>323</sub>	AT <sub>324</sub>	AT <sub>325</sub>	AT <sub>326</sub>	AT <sub>327</sub>	AT <sub>328</sub>	AT <sub>329</sub>	AT <sub>330</sub>	AT <sub>331</sub>	AT <sub>332</sub>	AT <sub>333</sub>	AT <sub>334</sub>	AT <sub>335</sub>	AT <sub>336</sub>	AT <sub>337</sub>	AT <sub>338</sub>	AT <sub>339</sub>	AT <sub>340</sub>	AT <sub>341</sub>	AT <sub>342</sub>	AT <sub>343</sub>	AT <sub>344</sub>	AT <sub>345</sub>	AT <sub>346</sub>	AT <sub>347</sub>	AT <sub>348</sub>	AT <sub>349</sub>	AT <sub>350</sub>	AT <sub>351</sub>	AT <sub>352</sub>	AT <sub>353</sub>	AT <sub>354</sub>	AT <sub>355</sub>	AT <sub>356</sub>	AT <sub>357</sub>	AT <sub>358</sub>	AT <sub>359</sub>	AT <sub>360</sub>	AT <sub>361</sub>	AT <sub>362</sub>	AT <sub>363</sub>	AT <sub>364</sub>	AT <sub>365</sub>	AT <sub>366</sub>	AT <sub>367</sub>	AT <sub>368</sub>	AT <sub>369</sub>	AT <sub>370</sub>	AT <sub>371</sub>	AT <sub>372</sub>	AT <sub>373</sub>	AT <sub>374</sub>	AT <sub>375</sub>	AT <sub>376</sub>	AT <sub>377</sub>	AT <sub>378</sub>	AT <sub>379</sub>	AT <sub>380</sub>	AT <sub>381</sub>	AT <sub>382</sub>	AT <sub>383</sub>	AT <sub>384</sub>	AT <sub>385</sub>	AT <sub>386</sub>	AT <sub>387</sub>	AT <sub>388</sub>	AT <sub>389</sub>	AT <sub>390</sub>	AT <sub>391</sub>	AT <sub>392</sub>	AT <sub>393</sub>	AT <sub>394</sub>	AT <sub>395</sub>	AT <sub>396</sub>	AT <sub>397</sub>	AT <sub>398</sub>	AT <sub>399</sub>	AT <sub>400</sub>	AT <sub>401</sub>	AT <sub>402</sub>	AT <sub>403</sub>	AT <sub>404</sub>	AT <sub>405</sub>	AT <sub>406</sub>	AT <sub>407</sub>	AT <sub>408</sub>	AT <sub>409</sub>	AT <sub>410</sub>	AT <sub>411</sub>	AT <sub>412</sub>	AT <sub>413</sub>	AT <sub>414</sub>	AT <sub>415</sub>	AT <sub>416</sub>	AT <sub>417</sub>	AT <sub>418</sub>	AT <sub>419</sub>	AT <sub>420</sub>	AT <sub>421</sub>	AT <sub>422</sub>	AT <sub>423</sub>	AT <sub>424</sub>	AT <sub>425</sub>	AT <sub>426</sub>	AT <sub>427</sub>	AT <sub>428</sub>	AT <sub>429</sub>	AT <sub>430</sub>	AT <sub>431</sub>	AT <sub>432</sub>	AT <sub>433</sub>	AT <sub>434</sub>	AT <sub>435</sub>	AT <sub>436</sub>	AT <sub>437</sub>	AT <sub>438</sub>	AT <sub>439</sub>	AT <sub>440</sub>	AT <sub>441</sub>	AT <sub>442</sub>	AT <sub>443</sub>	AT <sub>444</sub>	AT <sub>445</sub>	AT <sub>446</sub>	AT <sub>447</sub>	AT <sub>448</sub>	AT <sub>449</sub>	AT <sub>450</sub>	AT <sub>451</sub>	AT <sub>452</sub>	AT <sub>453</sub>	AT <sub>454</sub>	AT <sub>455</sub>	AT <sub>456</sub>	AT <sub>457</sub>	AT <sub>458</sub>	AT <sub>459</sub>	AT <sub>460</sub>	AT <sub>461</sub>	AT <sub>462</sub>	AT <sub>463</sub>	AT <sub>464</sub>	AT <sub>465</sub>	AT <sub>466</sub>	AT <sub>467</sub>	AT <sub>468</sub>	AT <sub>469</sub>	AT <sub>470</sub>	AT <sub>471</sub>	AT <sub>472</sub>	AT <sub>473</sub>	AT <sub>474</sub>	AT <sub>475</sub>	AT <sub>476</sub>	AT <sub>477</sub>	AT <sub>478</sub>	AT <sub>479</sub>	AT <sub>480</sub>	AT <sub>481</sub>	AT <sub>482</sub>	AT <sub>483</sub>	AT <sub>484</sub>	AT <sub>485</sub>	AT <sub>486</sub>	AT <sub>487</sub>	AT <sub>488</sub>	AT <sub>489</sub>	AT <sub>490</sub>	AT <sub>491</sub>	AT <sub>492</sub>	AT <sub>493</sub>	AT <sub>494</sub>	AT <sub>495</sub>	AT <sub>496</sub>	AT <sub>497</sub>	AT <sub>498</sub>	AT <sub>499</sub>	AT <sub>500</sub>	AT <sub>501</sub>	AT <sub>502</sub>	AT <sub>503</sub>	AT <sub>504</sub>	AT <sub>505</sub>	AT <sub>506</sub>	AT <sub>507</sub>	AT <sub>508</sub>	AT <sub>509</sub>	AT <sub>510</sub>	AT <sub>511</sub>	AT <sub>512</sub>	AT <sub>513</sub>	AT <sub>514</sub>	AT <sub>515</sub>	AT <sub>516</sub>	AT <sub>517</sub>	AT <sub>518</sub>	AT <sub>519</sub>	AT <sub>520</sub>	AT <sub>521</sub>	AT <sub>522</sub>	AT <sub>523</sub>	AT <sub>524</sub>	AT <sub>525</sub>	AT <sub>526</sub>	AT <sub>527</sub>	AT <sub>528</sub>	AT <sub>529</sub>	AT <sub>530</sub>	AT <sub>531</sub>	AT <sub>532</sub>	AT <sub>533</sub>	AT <sub>534</sub>	AT <sub>535</sub>	AT <sub>536</sub>	AT <sub>537</sub>	AT <sub>538</sub>	AT <sub>539</sub>	AT <sub>540</sub>	AT <sub>541</sub>	AT <sub>542</sub>	AT <sub>543</sub>	AT <sub>544</sub>	AT <sub>545</sub>	AT <sub>546</sub>	AT <sub>547</sub>	AT <sub>548</sub>	AT <sub>549</sub>	AT <sub>550</sub>	AT <sub>551</sub>	AT <sub>552</sub>	AT <sub>553</sub>	AT <sub>554</sub>	AT <sub>555</sub>	AT <sub>556</sub>	AT <sub>557</sub>	AT <sub>558</sub>	AT <sub>559</sub>	AT <sub>560</sub>	AT <sub>561</sub>	AT <sub>562</sub>	AT <sub>563</sub>	AT <sub>564</sub>	AT <sub>565</sub>	AT <sub>566</sub>	AT <sub>567</sub>	AT <sub>568</sub>	AT <sub>569</sub>	AT <sub>570</sub>	AT <sub>571</sub>	AT <sub>572</sub>	AT <sub>573</sub>	AT <sub>574</sub>	AT <sub>575</sub>	AT <sub>576</sub>	AT <sub>577</sub>	AT <sub>578</sub>	AT <sub>579</sub>	AT <sub>580</sub>	AT <sub>581</sub>	AT <sub>582</sub>	AT <sub>583</sub>	AT <sub>584</sub>	AT <sub>585</sub>	AT <sub>586</sub>	AT <sub>587</sub>	AT <sub>588</sub>	AT <sub>589</sub>	AT <sub>590</sub>	AT <sub>591</sub>	AT <sub>592</sub>	AT <sub>593</sub>	AT <sub>594</sub>	AT <sub>595</sub>	AT <sub>596</sub>	AT <sub>597</sub>	AT <sub>598</sub>	AT <sub>599</sub>	AT <sub>600</sub>	AT <sub>601</sub>	AT <sub>602</sub>	AT <sub>603</sub>	AT <sub>604</sub>	AT <sub>605</sub>	AT <sub>606</sub>	AT <sub>607</sub>	AT <sub>608</sub>	AT <sub>609</sub>	AT <sub>610</sub>	AT <sub>611</sub>	AT <sub>612</sub>	AT <sub>613</sub>	AT <sub>614</sub>	AT <sub>615</sub>	AT <sub>616</sub>	AT <sub>617</sub>	AT <sub>618</sub>	AT <sub>619</sub>	AT <sub>620</sub>	AT <sub>621</sub>	AT <sub>622</sub>	AT <sub>623</sub>	AT <sub>624</sub>	AT <sub>625</sub>	AT <sub>626</sub>	AT <sub>627</sub>	AT <sub>628</sub>	AT <sub>629</sub>	AT <sub>630</sub>	AT <sub>631</sub>	AT <sub>632</sub>	AT <sub>633</sub>	AT <sub>634</sub>	AT <sub>635</sub>	AT <sub>636</sub>	AT <sub>637</sub>	AT <sub>638</sub>	AT <sub>639</sub>	AT <sub>640</sub>	AT <sub>641</sub>	AT <sub>642</sub>	AT <sub>643</sub>	AT <sub>644</sub>	AT <sub>645</sub>	AT <sub>646</sub>	AT <sub>647</sub>	AT <sub>648</sub>	AT <sub>649</sub>	AT <sub>650</sub>	AT <sub>651</sub>	AT <sub>652</sub>	AT <sub>653</sub>	AT <sub>654</sub>	AT <sub>655</sub>	AT <sub>656</sub>	AT <sub>657</sub>	AT <sub>658</sub>	AT <sub>659</sub>	AT <sub>660</sub>	AT <sub>661</sub>	AT <sub>662</sub>	AT <sub>663</sub>	AT <sub>664</sub>	AT <sub>665</sub>	AT <sub>666</sub>	AT <sub>667</sub>	AT <sub>668</sub>	AT <sub>669</sub>	AT <sub>670</sub>	AT <sub>671</sub>	AT <sub>672</sub>	AT <sub>673</sub>	AT <sub>674</sub>	AT <sub>675</sub>	AT <sub>676</sub>	AT <sub>677</sub>	AT <sub>678</sub>	AT <sub>679</sub>	AT <sub>680</sub>	AT <sub>681</sub>	AT <sub>682</sub>	AT <sub>683</sub>	AT <sub>684</sub>	AT <sub>685</sub>	AT <sub>686</sub>	AT <sub>687</sub>	AT <sub>688</sub>	AT <sub>689</sub>	AT <sub>690</sub>	AT <sub>691</sub>	AT <sub>692</sub>	AT <sub>693</sub>	AT <sub>694</sub>	AT <sub>695</sub>	AT <sub>696</sub>	AT <sub>697</sub>	AT <sub>698</sub>	AT <sub>699</sub>	AT <sub>700</sub>	AT <sub>701</sub>	AT <sub>702</sub>	AT <sub>703</sub>	AT <sub>704</sub>	AT <sub>705</sub>	AT <sub>706</sub>	AT <sub>707</sub>	AT <sub>708</sub>	AT <sub>709</sub>	AT <sub>710</sub>	AT <sub>711</sub>	AT <sub>712</sub>	AT <sub>713</sub>	AT <sub>714</sub>	AT <sub>715</sub>	AT <sub>716</sub>	AT <sub>717</sub>	AT <sub>718</sub>	AT <sub>719</sub>	AT <sub>720</sub>	AT <sub>721</sub>	AT <sub>722</sub>	AT <sub>723</sub>	AT <sub>724</sub>	AT <sub>725</sub>	AT <sub>726</sub>	AT <sub>727</sub>	AT <sub>728</sub>	AT <sub>729</sub>	AT <sub>730</sub>	AT <sub>731</sub>	AT <sub>732</sub>	AT <sub>733</sub>	AT <sub>734</sub>	AT <sub>735</sub>	AT <sub>736</sub>	AT <sub>737</sub>	AT <sub>738</sub>	AT <sub>739</sub>	AT <sub>740</sub>	AT <sub>741</sub>	AT <sub>742</sub>	AT <sub>743</sub>	AT <sub>744</sub>	AT <sub>745</sub>	AT <sub>746</sub>	AT <sub>747</sub>	AT <sub>748</sub>	AT <sub>749</sub>	AT <sub>750</sub>	AT <sub>751</sub>	AT <sub>752</sub>	AT <sub>753</sub>	AT <sub>754</sub>	AT <sub>755</sub>	AT <sub>756</sub>	AT <sub>757</sub>	AT <sub>758</sub>	AT <sub>759</sub>	AT <sub>760</sub>	AT <sub>761</sub>	AT <sub>762</sub>	AT <sub>763</sub>	AT <sub>764</sub>	AT <sub>765</sub>	AT <sub>766</sub>	AT <sub>767</sub>	AT <sub>768</sub>	AT <sub>769</sub>	AT <sub>770</sub>	AT <sub>771</sub>	AT <sub>772</sub>	AT <sub>773</sub>	AT <sub>774</sub>	AT <sub>775</sub>	AT <sub>776</sub>	AT <sub>777</sub>	AT <sub>778</sub>	AT <sub>779</sub>	AT <sub>780</sub>	AT <sub>781</sub>	AT <sub>782</sub>	AT <sub>783</sub>	AT <sub>784</sub>	AT <sub>785</sub>	AT <sub>786</sub>	AT <sub>787</sub>	AT <sub>788</sub>	AT <sub>789</sub>	AT <sub>790</sub>	AT <sub>791</sub>	AT <sub>792</sub>	AT <sub>793</sub>	AT <sub>794</sub>	AT <sub>795</sub>	AT <sub>796</sub>	AT <sub>797</sub>	AT <sub>798</sub>	AT <sub>799</sub>	AT <sub>800</sub>	AT <sub>801</sub>	AT <sub>802</sub>	AT <sub>803</sub>	AT <sub>804</sub>	AT <sub>805</sub>	AT <sub>806</sub>	AT <sub>807</sub>	AT <sub>808</sub>	AT <sub>809</sub>	AT <sub>810</sub>	AT <sub>811</sub>	AT <sub>812</sub>	AT <sub>813</sub>	AT <sub>814</sub>	AT <sub>815</sub>	AT <sub>816</sub>	AT <sub>817</sub>	AT <sub>818</sub>	AT <sub>819</sub>	AT <sub>820</sub>	AT <sub>821</sub>	AT <sub>822</sub>	AT <sub>823</sub>	AT <sub>824</sub>	AT <sub>825</sub>	AT <sub>826</sub>	AT <sub>827</sub>	AT <sub>828</sub>	AT <sub>829</sub>	AT <sub>830</sub>	AT <sub>831</sub>	AT <sub>832</sub>	AT <sub>833</sub>	AT <sub>834</sub>	AT <sub>835</sub>	AT <sub>836</sub>	AT <sub>837</sub>	AT <sub>838</sub>	AT <sub>839</sub>	AT <sub>840</sub>	AT <sub>841</sub>	AT <sub>842</sub>	AT <sub>843</sub>	AT <sub>844</sub>	AT <sub>845</sub>	AT <sub>846</sub>	AT <sub>847</sub>	AT <sub>848</sub>	AT <sub>849</sub>	AT <sub>850</sub>	AT <sub>851</sub>	AT <sub>852</sub>	AT <sub>853</sub>	AT <sub>854</sub>	AT <sub>855</sub>	AT <sub>856</sub>	AT <sub>857</sub>	AT <sub>858</sub>	AT <sub>859</sub>	AT <sub>860</sub>	AT <sub>861</sub>	AT <sub>862</sub>	AT <sub>863</sub>	AT <sub>864</sub>	AT <sub>865</sub>	AT <sub>866</sub>	AT <sub>867</sub>	AT <sub>868</sub>	AT <sub>869</sub>	AT <sub>870</sub>	AT <sub>871</sub>	AT <sub>872</sub>	AT
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Symbol	Parameter	Units	Source	Parameter Value(s)	Site-Specific
d.	Depth of Source (Vertical thickness of contamination)	m	Field Measurement or Estimation		
D <sub>a</sub>	Apparent Diffusivity	cm <sup>2</sup> /s	Equation S10 in Appendix C, Table A	Calculated value	
D <sub>g</sub>	Diffusivity in Air	cm <sup>2</sup> /s	Appendix C, Table E	Chemical-specific	
D <sub>w</sub>	Diffusivity in Water	cm <sup>2</sup> /s	Appendix C, Table E	Chemical-specific	
D <sub>F</sub>	Dilution Factor	unitless	Equation S22 in Appendix C, Table A	20 is a calculated Value	
ED	Exposure Duration for Ingestion of Carcinogens	yr		Residential = 30 Industrial/Commercial = 25 Construction Worker = 1	
ED	Exposure Duration for Inhalation of Carcinogens	yr		Residential = 30 Industrial/Commercial = 25 Construction Worker = 1	
ED	Exposure Duration for Ingestion of Noncarcinogens	yr		Residential = 6 Industrial/Commercial = 25 Construction Worker = 1	
ED	Exposure Duration for Inhalation of Noncarcinogens	yr		Residential = 30 Industrial/Commercial = 25 Construction Worker = 1	
ED	Exposure Duration for the Direct Ingestion of Groundwater	yr		Residential = 30 Industrial/Commercial = 25 Construction Worker = 1	

Symbol	Parameter	Units	Source	Parameter Value(s)	Site-Specific
ED <sub>ML</sub>	Exposure Duration for Mass-Limit Equation S28	yr	SSL	70	
EF	Exposure Frequency	d/yr		Residential = 350 Industrial/Commercial = 250 Construction Worker = 30	
F(x)	Function dependent on U <sub>ML</sub> /U <sub>i</sub>	unitless	SSL	0.194	
f <sub>oc</sub>	Organic Carbon Content of Soil	g/g	SSL or Field Measurement (See Appendix C, Table 1)	Surface Soil = 0.006 Subsurface soil = 0.002, or	Site-Specific
(GW <sub>adj</sub> )	Groundwater Remediation Remediation Objective	mg/L	Appendix B, Table F <sub>3</sub> , 35 IAC 620 Subpart F, or Equation S23 in Appendix C, Table A	Chemical-Specific or Calculated	
H <sub>F</sub>	Henry's Law Constant	unitless	Appendix C, Table E	Chemical-Specific	
i	Hydraulic Gradient	m/m	Field Measurement (See Appendix C, Table F)	Site-Specific	
I	Infiltration Rate	m/yr	SSL	0.3	
I <sub>ML</sub>	Infiltration Rate for Mass-Limit Equation S28	m/yr	SSL	0.18	

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Symbol	Parameter	Units	Source	Parameter Value(s)
Q/C (used in VF equations)	Inverse of the mean concentration at the center of a square source	$(\text{g}/\text{m}^3\text{-s})/(\text{kg}/\text{m}^3)$	Appendix C, Table H	Residential = 68.81 Industrial/Commercial = 85.81 Construction Worker = 85.81
Q/C (used in PEF equations)	Inverse of the mean concentration at the center of a square source	$(\text{g}/\text{m}^3\text{-s})/(\text{kg}/\text{m}^3)$	SSL or Appendix C, Table H	Residential = 90.80 Industrial/Commercial = 85.81 Construction Worker = 85.81
RIC	Inhalation Reference Concentration	$\text{mg}/\text{m}^3$	HEPA (IRIS/HEAST)	Toxicological-Specific (Note: for Construction Workers use subchronic reference concentrations)
RD <sub>50</sub>	Oral Reference Dose	$\text{mg}/(\text{kg}\text{-d})$	HEPA (IRIS/HEAST)	Toxicological-Specific (Note: for Construction Worker use subchronic reference doses)
S	Solubility in Water	$\text{mg}/\text{L}$	Appendix C, Table E	Chemical-Specific
ST <sub>0</sub>	Oral Slope Factor	$(\text{mg}/\text{kg}\text{-d})^{-1}$	HEPA (IRIS/HEAST)	Toxicological-Specific
T	Exposure Interval	s		Residential = $9.5 \cdot 10^4$ Industrial/Commercial = $7.9 \cdot 10^4$ Construction Worker = $3.6 \cdot 10^4$
T <sub>REL</sub>	Exposure Interval for Class-I unit Volatilization Factor Equation S26	yr	SSL	30
THQ	Target Hazard Quotient	unitless	SSL	1

Symbol	Parameter	Units	Source	Parameter Value(s)
H <sub>soil adj</sub> (residential)	Age Adjusted Soil Ingestion Factor for (residential)	$(\text{mg}\text{-yr})/(\text{kg}\text{-d})$	SSL	114
IR <sub>soil</sub>	Soil Ingestion Rate	$\text{mg}/\text{d}$		Residential = 200 Industrial/Commercial = 50 Construction Worker = 480
IR <sub>w</sub>	Daily Water Ingestion Rate	$\text{L}/\text{d}$		Residential = 2 Industrial/Commercial = 1
K	Aquifer Hydraulic Conductivity	$\text{m}/\text{yr}$	Field Measurement (See Appendix C, Table F)	Site-Specific
K <sub>a</sub> (Non-ionizing organics)	Soil-Water Partition Coefficient	$\text{cm}^3/\text{g}$ or $\text{L}/\text{kg}$	Equation S19 in Appendix C, Table A	Calculated Value
K <sub>a</sub> (ionizing organics)	Soil Water Partition Coefficient	$\text{cm}^3/\text{g}$ or $\text{L}/\text{kg}$	Equation S19 in Appendix C, Table A	Chemical and pH-Specific (see Appendix C, Table B)
K <sub>a</sub> (organics)	Soil-Water Partition Coefficient	$\text{cm}^3/\text{g}$ or $\text{L}/\text{kg}$	Appendix C, Table J	Chemical and pH-Specific
K <sub>oc</sub>	Organic Carbon Partition Coefficient	$\text{cm}^3/\text{g}$ or $\text{L}/\text{kg}$	Appendix C, Table E or Appendix C, Table I	Chemical-Specific
K <sub>f</sub>	Saturated Hydraulic Conductivity	$\text{m}/\text{yr}$	Appendix C, Table K	Site-Specific
L	Source Length Parallel to Groundwater Flow	m	Field Measurement	Site-Specific
PEF	Particulate Emission Factor	$\text{m}^3/\text{kg}$	SSL or Equation S15 in Appendix C, Table A	Residential = $1.32 \cdot 10^9$ or Site-Specific Industrial/Commercial = $1.24 \cdot 10^9$ or Site-Specific
PEF'	Particulate Emission Factor adjusted for Agitation (construction worker)	$\text{m}^3/\text{kg}$	Equation S16 in Appendix C, Table A using PEF	$1.24 \cdot 10^9$ or Site-Specific

Symbol	Parameter	Units	Source	Parameter Value(s)
IR	Lung Cancer Risk	unitless		Residential = $10^{-6}$ at the point of human exposure Industrial/Commercial = $10^{-6}$ at the point of human exposure Construction Worker = $10^{-6}$ at the point of human exposure
$U_m$	Mean Annual Windspeed	m/s	SSL	4.69
URF	Inhalation Unit Risk Factor	( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup>	IEPA (IRIS/HEAST*)	Toxicological-Specific
$U_t$	Equivalent Threshold Value of Windspeed at 7 m	m/s	SSL	11.32
V	Fraction of Vegetative Cover	unitless	SSL or Field Measurement	0.5 or Site-Specific
VF	Volatilization Factor	m <sup>3</sup> /kg	Equation S8 in Appendix C, Table A	Calculated Value
VF <sub>adj</sub>	Volatilization Factor adjusted for Agitation	m <sup>3</sup> /kg	Equation S9 in Appendix C, Table A	Calculated Value
VF <sub>adj, L</sub>	Mass-Limit Volatilization Factor	m <sup>3</sup> /kg	Equation S26 in Appendix C, Table A	Calculated Value
VF <sub>adj, L</sub>	Mass-Limit Volatilization Factor adjusted for Agitation	m <sup>3</sup> /kg	Equation S27 in Appendix C, Table A	Calculated Value

Symbol	Parameter	Units	Source	Parameter Value(s)
$\eta$	Total Soil Porosity	$L_{\text{pore}}/L_{\text{soil}}$	SSL or Appendix C, Table A	Gravel = 0.25 Sand = 0.32 Silt = 0.40 Clay = 0.36, or Calculated Value
$\theta_a$	Air-Filled Soil Porosity	$L_{\text{air}}/L_{\text{soil}}$	SSL or Appendix C, Table A	Subsurface Soil (top 1 meter) = 0.28 Gravel = 0.05 Sand = 0.14 Silt = 0.24 Clay = 0.19, or Calculated Value
$\theta_w$	Water-Filled Soil Porosity	$L_{\text{water}}/L_{\text{soil}}$	SSL or Appendix C, Table A	Surface Soil (top 1 meter) = 0.15 Subsurface Soil (below 1 meter) = 0.30, or Gravel = 0.20 Sand = 0.18 Silt = 0.16 Clay = 0.17, or Calculated Value

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(Source: Amended at 25 Ill. Reg. 103743 effective )

Symbol	Parameter	Units	Source	Parameter Value(s)
P <sub>b</sub>	Dry Soil Bulk Density	kg/L, or g/cm <sup>3</sup>	SSL, or Field Measurement (See Appendix C, Table F)	1.5, or Sand = 2.0 (Travel = 1.8 Silt = 1.6 Clay = 1.7, or Site-Specific
P <sub>s</sub>	Soil Particle Density	g/cm <sup>3</sup>	SSL, or Field Measurement (See Appendix C, Table F)	2.65, or Site-Specific
P <sub>w</sub>	Water Density	g/cm <sup>3</sup>	SSL	1
1/(2n + 1)	Exponential in Equation S20	unitless	Appendix C, Table K Appendix C, Illustration C	Site-Specific

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R1	$TR \cdot BW \cdot AT_c \cdot 365 \frac{d}{yr} \left[ \left\{ SF_o \cdot ED \cdot \left[ \left( SF_o \cdot 10^{-6} \frac{kg}{mg} \right) \cdot \left( IR_{soil} \cdot RAF_o \right) + \left( SA \cdot M \cdot RAF_d \right) \right] + \left[ SF_i \cdot IR_{air} \cdot \left( VF_{ss} + VF_p \right) \right] \right\} \right]$	Remediation Objectives for Carcinogenic Contaminants (mg/kg)	Equations for the combined exposures routes of soil ingestion of vapors and particulates, and dermal contact with soil
R2	$THQ \cdot BW \cdot AT_n \cdot 365 \frac{d}{yr} \left[ \left( IR_{soil} \cdot RAF_o \right) + \left( SA \cdot M \cdot RAF_d \right) \right] + \left[ SF_i \cdot IR_{air} \cdot \left( VF_{ss} + VF_p \right) \right] + \left[ EF \cdot ED \cdot \left( 10^{-6} \frac{kg}{mg} \right) \cdot \left( IR_{soil} \cdot RAF_o \right) + \left( SA \cdot M \cdot RAF_d \right) \right] + \left[ IR_{air} \cdot \left( VF_{ss} + VF_p \right) \right] \cdot RPD_i$	Remediation Objectives for Non-carcinogenic Contaminants (mg/kg)	
R3	$VF_{ss} = \frac{2 \cdot W \cdot \rho_s \cdot 10^3 \frac{cm^3}{m^3} \cdot kg}{D_{eff} \cdot H} \cdot \sqrt{\pi \cdot \left[ \theta_{ss} + \left( k_s \cdot \rho_s \right) + \left( H' \cdot \theta_{ss} \right) \right] \cdot \tau}$	Volatilization Factor for Surface Soils, $VF_{ss}$ (kg/m <sup>3</sup> ) Which ever is less between R3 and R4	
R4	$VF_{ss} = \frac{W \cdot \rho_s \cdot d \cdot 10^3 \frac{cm^3}{m^3} \cdot kg}{U_{air} \cdot \delta_{air} \cdot \tau}$	Remediation Objectives for Non-carcinogenic Contaminants (mg/kg)	

R5	$VF_p = \frac{P \cdot W \cdot 10^3 \frac{cm^3}{m^3} \cdot kg}{U_{air} \cdot \delta_{air}}$	Volatilization Factor for Surface Soils Regarding Particulates, $VF_p$ (kg/m <sup>3</sup> )	Equations for the ambient vapor inhalation (outdoor) route from subsurface soils
R6	$D_{eff} = \frac{D_{air} \cdot \theta_{ss} + D_{water} \cdot \theta_{ss}^2}{\theta_s^2} + \frac{H' \cdot \theta_s^2}{H' \cdot \theta_s^2}$	Effective Diffusion Coefficient in Soil Based on Vapor-Phase Concentration $D_{eff}$ (cm <sup>2</sup> /s)	
R7	$\frac{RBSL_{air} \cdot 10^{-3}}{VF_{soil}} \cdot 10^{-3}$	Remediation Objectives for Carcinogenic Contaminants (mg/kg)	
R8	$\frac{RBSL_{air} \cdot 10^{-3}}{VF_{soil}} \cdot 10^{-3}$	Remediation Objectives for Non-carcinogenic Contaminants (mg/kg)	

R12	$\frac{GW_{source}}{LF_{sw}}$	Remediation Objective (mg/kg) Soil Component of the Groundwater Ingestion Exposure Route
R13	$GW_{source} = \frac{C_{(u)}}{C_{comp}}$	Groundwater at the source, (mg/L)
R14	$LF_{sw} = \frac{\rho_s \cdot cm^3 \cdot kg}{L \cdot g} \left[ \theta_{ws} + (k_s \cdot \rho_s) + (H' \cdot \theta_{ws}) \right] \cdot \left[ 1 + \left( \frac{U_{sw} \cdot \rho_{sw}}{I \cdot M} \right) \right]$	Leaching Factor, $LF_{sw}$ (mg/L-water)/(mg/kg-soil)
R15	$C_{(u)} / C_{source} = \exp \left[ \left( \frac{2\alpha_x}{X} \right) \cdot \left( 1 - \sqrt{1 + \frac{U}{4\lambda \cdot \alpha_x}} \right) \right] \cdot \left[ \frac{4 \cdot \sqrt{\alpha_y \cdot X}}{S_w} \right] \cdot \left[ \frac{2 \cdot \sqrt{\alpha_z \cdot X}}{S_f} \right]$	Steady-State Attenuation Along the Centerline of a Dissolved Plume, $C_{(u)} / C_{source}$
R16	$\alpha_x = 0.10 \cdot \lambda$	Longitudinal Dispersivity, $\alpha_x$ (cm)

NOTE: This equation does not predict the contaminant flow within bedrock and may not accurately predict downgradient concentrations in the presence of a confining layer.

2. If the value of the First Order Degradation Constant ( $\lambda$ ) is not readily available, then set  $\lambda = 0$ .

R9	$RBSL_{sw} = \frac{TR \cdot BW \cdot AT_c \cdot 365}{d} \cdot 10^3 \frac{ug}{yr \cdot mg} \cdot SF' \cdot IR_{sw} \cdot EF \cdot ED$	Screening Level Based Risk Based $RBSL_{sw}$ (ug/m <sup>3</sup> )
R10	$RBSL_{sw} = \frac{THQ \cdot RD \cdot BW \cdot AT_n \cdot 365}{d} \cdot 10^3 \frac{ug}{yr \cdot mg} \cdot IR_{sw} \cdot EF \cdot ED$	Based Screening Level for Air, $RBSL_{sw}$ (ug/m <sup>3</sup> )
R11	$VF_{sub} = \frac{IR \cdot \rho_s \cdot 10^3 \frac{cm^3}{m^3} \cdot kg}{L \cdot g} \left[ 1 + \left( \frac{U_{sw} \cdot \rho_{sw}}{I \cdot M} \right) \right] \cdot \left[ \theta_{ws} + (k_s \cdot \rho_s) + (H' \cdot \theta_{ws}) \right] \cdot \left[ \frac{D_{eff} \cdot W}{L_x} \right]$	Volatilization Factor - Subsurface Soil to Ambient Air, $VF_{sub}$ (mg/m <sup>3</sup> )/(mg/kg-soil)

R24	$U_{gw} = K \cdot i$	Groundwaterarcy Velocity, $U_{gw}$ (cm/yr)
R25	$\frac{TR \cdot BW \cdot AT \cdot 365 \cdot d}{SF_o \cdot IR_w \cdot EF \cdot ED}$	Remediation Objective for Inorganic Contaminants (mg/l)
R26	$C(x) = C_{source} \cdot \exp \left[ \left( \frac{2\alpha_x}{x} \right) \cdot \left( 1 - \sqrt{1 + \frac{U}{4\lambda \cdot \alpha_x}} \right) \right] \cdot \operatorname{erf} \left[ \frac{4 \cdot \sqrt{\alpha_y} \cdot x}{S_w} \right] \cdot \operatorname{erf} \left[ \frac{2 \cdot \sqrt{\alpha_z} \cdot x}{S_d} \right]$ <p>NOTE: 1. This equation does not predict the contaminant flow within bedrock and may not accurately predict downgradient concentrations in the presence of a confining layer. 2. If the value of the First Order Degradation Constant (<math>\lambda</math>) is not readily available, then set <math>\lambda = 0</math>.</p>	Dissolved Hydrocarbon Concentration along Centerline, $C(x)$ (g/cm <sup>3</sup> , mg/L, wt/L)

R17	$\alpha_y = \frac{\alpha_x}{3}$	Transverse Dispersion, $\alpha_y$ (cm)
R18	$\alpha_z = \frac{\alpha_x}{20}$	Vertical Dispersion, $\alpha_z$ (cm)
R19	$U = \frac{Q}{K \cdot i}$	Specific Discharge, $U$ (cm/d)
R20	$k_s = K_{oc} \cdot f_{oc}$	Soil-Water Sorption Coefficient, $k_s$
R21	$\theta_{ws} = \theta_r - \left( \frac{w \cdot \rho_s}{\rho_w} \right)$	Volumetric Air Content in Vadose Zone Soils, $\theta_{ws}$ (cm <sup>3</sup> air/cm <sup>3</sup> soil)
R22	$\theta_{ws} = \frac{w \cdot \rho_s}{\rho_w}$	Volumetric Water Content in Vadose Zone Soils, $\theta_{ws}$ (cm <sup>3</sup> water/cm <sup>3</sup> soil)
R23	$\theta_r = \theta_{ws} + \theta_{rs}$	Total Soil Porosity, $\theta_r$ (cm <sup>3</sup> /cm <sup>3</sup> soil)



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(Source: Amended at 25 Ill. Reg. 10374, effective )

Section 742 APPENDIX C: Tier 2 Tables and Illustrations  
 Section 742 Table D: RBCA Parameters

Symbol	Parameter	Units	Source	Parameter Value(s)
A <sub>c</sub>	Averaging Time for Carcinogens	yr	RBCA	70
A <sub>n</sub>	Averaging Time for Noncarcinogens	yr	RBCA	Residential = 30 Industrial/Commercial = 25 Construction Worker = 0.115
BW	Adult Body Weight	kg	RBCA	70
C <sub>source</sub>	The greatest potential concentration of the contaminant of concern in the groundwater at the source of the contamination, based on the concentrations of contaminants in groundwater due to the release and the projected concentration of the contaminant migrating from the soil to the groundwater.	mg/L	Field Measurement	Site-Specific
C <sub>x</sub>	Concentration of Contaminant in Groundwater at Distance X from the source	mg/L	Equation R26 in Appendix C, Table C	Calculated Value



Symbol	Parameter	Units	Source	Parameter Value(s)
K	Aquifer Hydraulic Conductivity	cm/d for Equations R15, R19 and R26 cm/yr for Equation R24	Field Measurement (See Appendix C, Table F)	Site-Specific
K <sub>oc</sub>	Organic Carbon Partition Coefficient	cm <sup>3</sup> /g or L/kg	Appendix C, Table E or	Chemical-Specific
K <sub>f</sub>	Soil Water Sorption Coefficient (non-ionizing organics)	cm <sup>3</sup> water/soil	Equation R20 in Appendix C, Table C	Calculated Value
K <sub>s</sub>	Soil Water Sorption Coefficient (ionizing organics)	cm <sup>3</sup> water/soil	Equation R20 in Appendix C, Table C	Chemical and pH-Specific (See Appendix C, Table I)
K <sub>d</sub>	Soil Water Sorption Coefficient (inorganics)	cm <sup>3</sup> water/soil	Appendix C, Table J	Chemical and pH-Specific
L <sub>d</sub>	Depth to Subsurface Soil Sources	cm	RBCA	100
L <sub>f</sub>	Leaching Factor	(mg/L water)/(mg/kg soil)	Equation R14 in Appendix C, Table C	Calculated Value
M	Soil to Skin Adherence Factor	mg/cm <sup>2</sup>	RBCA	0.5

Symbol	Parameter	Units	Source	Parameter Value(s)
Pe	Particulate Emission Rate	g/cm <sup>2</sup> -s	RBCA	6.9 • 10 <sup>-14</sup>
RAF <sub>d</sub>	Dermal Relative Absorption Factor	unitless	RBCA	0.5
RAF <sub>d</sub> (PNAs)	Dermal Relative Absorption Factor	unitless	RBCA	0.05
RAF <sub>d</sub> (inorganics)	Dermal Relative Absorption Factor	unitless	RBCA	0
RAF <sub>o</sub>	Oral Relative Absorption Factor	unitless	RBCA	1.0
RISL <sub>air</sub>	Carcinogenic Risk-Biased Screening Level for Air	ug/m <sup>3</sup>	Equation R9 in Appendix C, Table C	Chemical-, Media-, and Exposure Route-Specific
RBSL <sub>air</sub>	Noncarcinogenic Risk-Biased Screening Level for Air	ug/m <sup>3</sup>	Equations R10 in Appendix C, Table C	Chemical-, Media-, and Exposure Route-Specific
RDI <sub>i</sub>	Inhalation Reference Dose	mg/kg-d	IEPA (IRIS/HEAST*)	Toxicological-Specific
RDI <sub>o</sub>	Oral Reference Dose	mg/(kg-d)	IEPA (IRIS/HEAST*)	Toxicological-Specific (Note: for Construction Worker use subchronic reference doses)
SA	Skin Surface Area	cm <sup>2</sup> /d	RBCA	3,160





Symbol	Parameter	Units	Source	Parameter Value(s)
$w$	Average Soil Moisture Content	$\text{g water/g soil}$	RBCA or Field Measurement (See Appendix C, Table F)	0.1, or Surface Soil (top 1 meter) = 0.1 Subsurface Soil (below 1 meter) = 0.2, or Site-Specific
$X$	Distance along the Centerline of the Groundwater Plume Emanating from a Source. The x direction is the direction of groundwater flow	cm	Field Measurement	Site-Specific
$\alpha_x$	Longitudinal Dispersivity	cm	Equation R16 in Appendix C, Table C	Calculated Value
$\alpha_y$	Transverse Dispersivity	cm	Equation R17 in Appendix C, Table C	Calculated Value
$\alpha_z$	Vertical Dispersivity	cm	Equation R18 in Appendix C, Table C	Calculated Value
$\delta_{av}$	Ambient Air Mixing Zone Height	cm	RBCA	200

Symbol	Parameter	Units	Source	Parameter Value(s)
$\delta_{av}$	Groundwater Mixing Zone Thickness	cm	RBCA	200
$\theta_{as}$	Volumetric Air Content in Vadose Zone Soils	$\text{cm}^3 \text{ air/cm}^3 \text{ soil}$	RBCA or Equation R21 in Appendix C, Table C	Gravel = 0.05 Sand = 0.14 Silt = 0.16 Clay = 0.17, or Or Surface Soil (top 1 meter) = 0.28 Subsurface Soil (below 1 meter) = 0.13, Calculated Value
$\theta_{vs}$	Volumetric Water Content in Vadose Zone Soils	$\text{cm}^3 \text{ water/cm}^3 \text{ soil}$	RBCA or Equation R22 in Appendix C, Table C	Gravel = 0.20 Sand = 0.18 Silt = 0.16 Clay = 0.17, or or Surface Soil (top 1 meter) = 0.15 Subsurface Soil (below 1 meter) = 0.30, Calculated Value

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NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 25 Ill. Reg. 103743 effective 10/1/00)

Symbol	Parameter	Units	Source	Parameter Value(s)
$\theta_r$	Total Soil Porosity	$\text{cm}^3/\text{cm}^3_{\text{soil}}$	RBCA or Equation R23 in Appendix C, Table C	0.43, or Gravel = 0.25 Sand = 0.32 Silt = 0.40 Clay = 0.36, or Calculated Value
$\lambda$	First Order Degradation Constant	$\text{d}^{-1}$	Appendix C, Table E	Chemical-Specific
$n$	$n$			3.1416
$\rho_s$	Soil Bulk Density	$\text{g}/\text{cm}^3$	RBCA or Field Measurement (See Appendix C, Table F)	Gravel = 2.0 Sand = 1.8 Silt = 1.6 Clay = 1.7, or Site-Specific
$t$	Averaging Time for Vapor Flux	s	RBCA	$9.46 \times 10^4$

\* HIFAST = Health Effects Assessment Summary Tables. USEPA, Office of Solid Waste and Emergency Response. EPA/540/R-95/036. Updated Quarterly.



CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H') (25°C)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (d <sup>-1</sup> ) (λ)
83-32-9	Acenaphthene	4.24	0.0421	7.69E-6	0.00636	7.080	0.0034
67-64-1	Acetone	1,000,000	0.124	1.14E-5	0.00159	0.575	0.0495
15972-60-8	Alachlor	242	0.0198	5.69E-6	0.00000132	394	No Data
116-06-3	Aldicarb	6,000	0.0305	7.19E-6	0.0000000574	12	0.00109
309-00-2	Aldrin	0.18	0.0132	4.86E-6	0.00697	2,450,000	0.00059
120-12-7	Anthracene	0.0434	0.0324	7.74E-6	0.00267	29,500	0.00075
1912-24-9	Atrazine	70	0.0258	6.69E-6	0.00000005	451	No Data
71-43-2	Benzene	1,750	0.088	9.80E-6	0.228	58.9	0.0009

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H') (25°C)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (d <sup>-1</sup> ) (λ)
56-55-3	Benzo(a)anthracene	0.0094	0.0510	9.00E-6	0.000137	398,000	0.00051
205-99-2	Benzo(b)fluoranthene	0.0015	0.0226	5.56E-6	0.00455	1,230,000	0.00057
207-08-9	Benzo(k)fluoranthene	0.0008	0.0226	5.56E-6	0.000034	1,230,000	0.00016
65-85-0	Benzoic Acid	3,500	0.0536	7.97E-6	0.000631	0.600	No Data
50-32-8	Benzo(a)pyrene	0.00162	0.043	9.00E-6	0.0000463	1,020,000	0.00065
111-44-4	Bis(2-chloroethyl)ether	17,200	0.0692	7.53E-6	0.000738	15	0.0019
117-81-7	Bis(2-ethylhexyl)phthalate	0.34	0.0351	3.66E-6	0.0000418	15,100,000	0.0018
75-27-4	Bromodichloromethane	6,740	0.0298	1.06E-5	0.0656	55.0	No Data
75-25-2	Bromoform	3,100	0.0149	1.03E-5	0.0219	87.1	0.0019
71-36-3	Butanol	74,000	0.0800	9.30E-6	0.000361	6.92	0.01283
85-68-7	Butyl Benzyl Phthalate	2.69	0.0174	4.83E-6	0.0000517	57,500	0.00385
86-74-8	Cathazole	7.48	0.0390	7.03E-6	0.000000626	3,390	No Data

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (λ) (d <sup>-1</sup> )
1563-66-2	Carbofuran	320	0.0249	6.63E-6	0.0377	37	No Data
75-15-0	Carbon Disulfide	1,190	0.104	1.00E-5	1.24	45.7	No Data
56-23-5	Carbon Tetrachloride	793	0.0780	8.80E-6	1.25	174	0.0019
57-74-9	Chlordane	0.056	0.0118	4.37E-6	0.00199	120,000	0.00025
106-47-8	p-Chloroaniline	5,300	0.0483	1.01E-5	0.0000136	66.1	No Data
108-09-7	Chlorobenzene	472	0.0730	8.70E-6	0.152	219	0.0023
124-48-1	Chlorobromomethane	2,600	0.0196	1.05E-5	0.0321	63.1	0.00385
67-66-3	Chloroform	7,920	0.104	1.00E-5	0.15	39.8	0.00039
95-57-8	2-Chlorophenol	22,000	0.0501	9.46E-6	0.016	388	No Data
218-01-9	Chrysene	0.0016	0.0248	6.21E-6	0.00388	398,000	0.00035
94-75-7	2,4-D	680	0.0231	7.31E-6	0.00000041	451	0.00385
72-54-8	4,4'-DDE	0.09	0.0169	4.76E-6	0.070164	1,000,000	0.00062

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (λ) (d <sup>-1</sup> )
72-55-9	4,4'-DDE	0.12	0.0144	5.87E-6	0.00861	4,170,000	0.00062
50-29-3	4,4'-DDT	0.025	0.0137	4.95E-6	0.000332	2,630,000	0.00062
75-99-0	Dalapon	900,000	0.0414	9.46E-6	0.00000264	5.8	0.00375
53-70-3	Dibenz(a,h)anthracene	0.00249	0.0202	5.18E-6	0.000000603	3,800,000	0.00037
96-12-8	1,2-Dibromo-3-chloropropane	1,200	0.0212	7.02E-6	0.00615	182	0.001925
106-93-4	1,2-Dibromooethane	4,200	0.0287	8.06E-6	0.0303	93	0.005775
84-74-2	Dl-n-butyl Phthalate	11.2	0.0438	7.86E-6	0.0000000385	33,900	0.03013
95-50-1	1,2-Dichlorobenzene	156	0.0690	7.90E-6	0.0779	617	0.0019
106-46-7	1,4-Dichlorobenzene	73.8	0.0690	7.90E-6	0.0996	617	0.0019
91-94-1	3,3-Dichlorobenzidine	3.11	0.0194	6.74E-6	0.000000164	724	0.0019

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H) (25°C)	Organic Carbon Partition Coefficient (K <sub>OC</sub> ) (K <sub>OC</sub> ) (L/kg)	First Order Carbon Degradation Constant (d <sup>-1</sup> ) (λ)
75-34-3	1,1-Dichloroethane	5.060	0.0742	1.05E-5	0.23	31.6	0.0019
107-06-2	1,2-Dichloroethane	8.520	0.104	9.90E-6	0.0401	17.4	0.0019
75-35-4	1,1-Dichloroethylene	2.250	0.0900	1.04E-5	1.07	58.9	0.0053
156-59-2	cis-1,2-Dichloroethylene	3.500	0.0736	1.13E-5	0.167	35.5	0.0024
156-60-5	trans-1,2-Dichloroethylene	6.300	0.0707	1.19E-5	0.385	52.5	0.0024
120-83-2	2,4-Dichlorophenol	4.500	0.0346	8.77E-6	0.00013	147	0.00027
78-87-5	1,2-Dichloropropane	2.800	0.0782	8.73E-6	0.115	43.7	0.00027
542-75-6	1,3-Dichloropropylene (cis + trans)	2.800	0.0626	1.00E-5	0.726	45.7	0.061
60-57-1	Dieldrin	0.195	0.0125	4.74E-6	0.000619	21,400	0.00032
84-66-2	Dichlyl Phthalate	1.080	0.0256	6.35E-6	0.000185	288	0.00619
105-67-9	2,4-Dimethylphenol	7.870	0.0584	8.69E-6	0.000082	209	0.0495
51-28-5	2,4-Dinitrophenol	2.790	0.0273	9.06E-6	0.000182	0.01	0.00132

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D <sub>A</sub> ) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H) (25°C)	Organic Carbon Partition Coefficient (K <sub>OC</sub> ) (K <sub>OC</sub> ) (L/kg)	First Order Carbon Degradation Constant (d <sup>-1</sup> ) (λ)
121-14-2	2,4-Dinitrofluorene	270	0.203	7.06E-6	0.000038	95.5	0.00192
606-20-2	2,6-Dinitrofluorene	182	0.0327	7.26E-6	0.000306	69.2	0.00192
88-85-7	Dinoseb	52	0.0215	6.62E-6	0.0000189	1,120	0.002817
117-84-0	Di-n-octyl Phthalate	0.02	0.0151	3.58E-6	0.00274	83,200,000	0.0019
115-29-7	Endosulfan	0.51	0.0115	4.55E-6	0.000459	2,140	0.07629
145-73-3	Endosulfath	21,000	0.0291	8.07E-6	0.0000000107	0.29	No Data
72-20-8	Endrin	0.25	0.0125	4.74E-6	0.000308	12,300	0.00032
100-41-4	Ethylbenzene	169	0.0750	7.80E-6	0.323	363	0.003
306-44-0	Fluoranthene	0.206	0.0302	6.35E-6	0.00066	107,000	0.00019
86-73-7	Fluorene	1.98	0.0363	7.88E-6	0.00261	13,800	0.000691
76-44-8	Heptachlor	0.18	0.0112	5.69E-6	60.7	1,410,000	0.13
1024-57-3	Heptachlor epoxide	0.2	0.0132	4.23E-6	0.00039	83,200	0.00063



CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H')	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (k <sub>d</sub> ) (d <sup>-1</sup> )
118-74-1	Hexachlorobenzene	6.2	0.0542	5.91E-6	0.0541	55,000	0.00017
319-84-6	alpha-HCH (alpha-BHC)	2.0	0.0142	7.34E-6	0.000435	1,230	0.0025
58-89-9	gamma-HCH (lindane)	6.8	0.0142	7.34E-6	0.000574	1,070	0.0029
77-47-4	Hexachlorocyclopentadiene	1.8	0.0161	7.21E-6	1.11	200,000	0.012
67-72-1	Hexachlorocyclopentadiene	50	0.0025	6.80E-6	0.159	1,780	0.00192
193-39-5	Indeno(1,2,3-c,d)pyrene	0.000022	0.0190	5.66E-6	0.0000656	3,470,000	0.00047
78-59-1	Isophorone	12,000	0.0623	6.76E-6	0.000272	46.8	0.01238
7439-97-6	Mercury	---	0.0307	6.30E-6	0.467	---	No Data
74-83-9	Methyl Bromide	15,200	0.0728	1.21E-5	0.256	97,700	0.0019
75-09-2	Methylene Chloride	13,000	0.101	1.17E-5	0.0898	11.7	0.012
95-18-7	2-Methylphenol	26,000	0.0740	8.30E-6	0.0000492	91.2	0.0495

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H')	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (k <sub>d</sub> ) (d <sup>-1</sup> )
91-20-3	Naphthalene	31.0	0.0590	7.50E-6	0.0198	2,000	0.0027
98-95-3	Nitrobenzene	2,090	0.0760	8.60E-6	0.000984	64.6	0.00176
86-30-6	N-Nitrosodiphenylamine	35.1	0.0312	6.35E-6	0.000205	1,290	0.01
621-64-7	N-Nitrosodi-n-propylamine	9,890	0.0545	8.17E-6	0.0000923	24.0	0.0019
87-86-5	Permethrin	1,950	0.0560	6.10E-6	0.000001	592	0.00045
108-95-2	Phenol	82,800	0.0820	9.10E-6	0.0000163	28.8	0.099
1918-02-1	Picloram	430	0.0255	5.28E-6	0.00000000166	1.98	No Data
1336-36-3	Polychlorinated biphenyls (PCBs)	0.7	---	---	---	309,000	No Data
129-00-0	Pyrene	0.135	0.0272	7.24E-6	0.000451	105,000	0.00018
122-34-9	Stimazine	5	0.027	7.36E-6	0.0000000133	133	No Data
100-42-5	Styrene	310	0.0710	8.00E-6	0.113	776	0.0033
93-72-1	2,4,5-TP (Silvex)	31	0.0194	5.83E-6	0.0000000032	5,440	No Data

(Chemical Abstracts Service (CAS) registry number. This number in the format xxx-xx-x, is unique for each chemical and allows efficient searching on computerized data bases  
\*Soil Remediation Objectives are determined pursuant to 40 CFR 761.20, as incorporated by reference at Section 732.104 (the USEPA "PCB Spill Cleanup Policy"), for most sites; persons remediating sites should consult with BCL if calculation of Tier 2 soil remediation objectives is desired.

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H) (25°C)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (λ) (d <sup>-1</sup> )
1330-20-7	Xylenes (total)	186	0.0720	9.34E-6	0.25	260	0.0019
106-42-3	p-Xylene	185	0.0769	8.44E-6	0.314	189	0.0019
95-47-6	o-Xylene	178	0.087	1.00E-5	0.213	363	0.0019

CAS No.	Chemical	Solubility in Water (S) (mg/L)	Diffusivity in Air (D) (cm <sup>2</sup> /s)	Diffusivity in Water (D <sub>w</sub> ) (cm <sup>2</sup> /s)	Dimensionless Henry's Law Constant (H) (25°C)	Organic Carbon Partition Coefficient (K <sub>oc</sub> ) (L/kg)	First Order Degradation Constant (λ) (d <sup>-1</sup> )
127-18-4	Tetrachloroethylene	200	0.0720	8.20E-6	0.754	155	0.0096
108-88-3	Toluene	526	0.0870	8.60E-6	0.272	182	0.011
8001-35-2	Toxaphene	0.74	0.0116	4.34E-6	0.000246	257,000	No Data
120-82-1	1,2,4-Trichlorobenzene	300	0.0300	8.23E-6	0.0582	1,780	0.0019
71-55-6	1,1,1-Trichloroethane	1,330	0.0780	8.80E-6	0.705	110	0.0013
79-00-5	1,1,2-Trichloroethane	4,420	0.0780	8.80E-6	0.0374	50.1	0.00095
79-01-6	Trichloroethylene	1,100	0.0790	9.10E-6	0.422	166	0.00042
95-95-4	2,4,5-Trichlorophenol	1,200	0.0291	7.03E-6	0.00178	1,600	0.00038
88-06-2	2,4,6-Trichlorophenol	800	0.0318	6.25E-6	0.000319	381	0.00038
108-05-4	Vinyl Acetate	20,000	0.0850	9.20E-6	0.021	5.25	No Data
57-01-4	Vinyl Chloride	2,760	0.106	1.33E-6	1.11	18.6	0.00021
108-38-3	m-Xylene	161	0.070	7.80E-6	0.301	407	0.0019





pH	Benzoic Acid	3.96E+02	1.57E+02	1.56E+03	2.21E+03	7.96E+02	2.84E+03	5.64E+03	2.3,5-TP (Silvex)
	2-Chloro-phenol	3.96E+02	1.57E+02	1.56E+02	1.33E+03	2.17E+03	7.48E+02	2.43E+03	5.59E+03
	Dichloro-phenol	3.96E+02	1.57E+02	1.56E+02	1.33E+03	2.12E+03	6.97E+02	2.10E+03	5.55E+03
	2,4-Dichloro-phenol	3.95E+02	1.55E+02	9.98E+02	2.06E+03	6.44E+02	1.83E+03	5.52E+03	5.50E+03
		3.94E+02	1.54E+02	8.77E+02	1.99E+03	5.89E+02	1.62E+03	5.50E+03	5.48E+03
		3.92E+02	1.52E+02	7.03E+02	1.82E+03	4.80E+02	1.32E+03	5.46E+03	5.46E+03
		3.90E+02	1.50E+02	6.40E+02	1.71E+03	4.29E+02	1.21E+03	5.45E+03	5.44E+03
		3.88E+02	1.47E+02	5.92E+02	1.60E+03	3.81E+02	1.12E+03	5.44E+03	5.43E+03
		3.86E+02	1.45E+02	5.52E+02	1.47E+03	3.38E+02	1.05E+03	5.43E+03	5.43E+03
		3.83E+02	1.41E+02	5.21E+02	1.34E+03	3.00E+02	9.96E+02	5.42E+03	5.42E+03
		3.79E+02	1.38E+02	4.96E+02	1.21E+03	2.67E+02	9.52E+02	5.42E+03	5.42E+03
		3.75E+02	1.33E+02	4.76E+02	1.07E+03	2.39E+02	9.18E+02	5.42E+03	5.42E+03
		3.69E+02	1.28E+02	4.61E+02	9.43E+02	2.15E+02	8.90E+02	5.42E+03	5.42E+03
		3.62E+02	1.21E+02	4.47E+02	8.19E+02	1.95E+02	8.68E+02	5.41E+03	5.41E+03
		3.54E+02	1.14E+02	4.37E+02	7.03E+02	1.78E+02	8.50E+02	5.41E+03	5.41E+03
		3.44E+02	1.07E+02	4.29E+02	5.99E+02	1.64E+02	8.36E+02	5.41E+03	5.41E+03

pH	Benzoic Acid	5.09E-01	3.33E+02	9.84E+01	4.23E+02	5.07E+02	1.53E+02	8.25E+02	2,3,5-TP (Silvex)
	2-Chloro-phenol	5.06E-01	3.19E+02	8.97E+01	4.18E+02	4.26E+02	1.44E+02	8.17E+02	5.41E+03
	Dichloro-phenol	5.06E-01	3.04E+02	8.07E+01	4.14E+02	3.57E+02	1.37E+02	8.10E+02	5.41E+03
		5.06E-01	2.86E+02	7.17E+01	4.10E+02	2.98E+02	1.31E+02	8.04E+02	5.41E+03
	2,4,5-Trichloro-phenol								
	2,4,6-Trichloro-phenol								
	Dinoseb								

pH	As	Ba	Be	Cd	Cr (+3)	Cr (+6)	Hg	Ni	Ag	Se	Tl	Zn
4.9	2.5E+01	1.1E+01	2.3E+01	1.5E+01	1.2E+03	3.1E+01	4.0E-02	1.6E+01	1.0E-01	1.8E+01	4.4E+01	1.6E+01
5.0	2.5E+01	1.2E+01	2.6E+01	1.7E+01	1.9E+03	3.1E+01	6.0E-02	1.8E+01	1.3E-01	1.7E+01	4.5E+01	1.8E+01
5.1	2.5E+01	1.4E+01	2.8E+01	1.9E+01	3.0E+03	3.0E+01	9.0E-02	2.0E+01	1.6E-01	1.6E+01	4.6E+01	1.9E+01
5.2	2.6E+01	1.5E+01	3.1E+01	2.1E+01	4.9E+03	2.9E+01	1.4E-01	2.2E+01	2.1E-01	1.5E+01	4.7E+01	2.1E+01
5.3	2.6E+01	1.7E+01	3.5E+01	2.3E+01	8.1E+03	2.8E+01	2.0E-01	2.4E+01	2.6E-01	1.4E+01	4.8E+01	2.3E+01
5.4	2.6E+01	1.9E+01	3.8E+01	2.5E+01	1.3E+04	2.7E+01	3.0E-01	2.6E+01	3.3E-01	1.3E+01	5.0E+01	2.5E+01
5.5	2.6E+01	2.1E+01	4.2E+01	2.7E+01	2.1E+04	2.7E+01	4.6E-01	2.8E+01	4.2E-01	1.2E+01	5.1E+01	2.6E+01
5.6	2.6E+01	2.2E+01	4.7E+01	2.9E+01	3.5E+04	2.6E+01	6.9E-01	3.0E+01	5.3E-01	1.1E+01	5.2E+01	2.8E+01
5.7	2.7E+01	2.4E+01	5.3E+01	3.1E+01	5.5E+04	2.5E+01	1.0E-00	3.2E+01	6.7E-01	1.1E+01	5.4E+01	3.0E+01
5.8	2.7E+01	2.6E+01	6.0E+01	3.3E+01	8.7E+04	2.5E+01	1.6E-00	3.4E+01	8.4E-01	9.8E+00	5.5E+01	3.2E+01
5.9	2.7E+01	2.8E+01	6.9E+01	3.5E+01	1.3E+05	2.4E+01	2.3E-00	3.6E+01	1.1E+00	9.2E+00	5.6E+01	3.4E+01
6.0	2.7E+01	3.0E+01	8.2E+01	3.7E+01	2.0E+05	2.3E+01	3.5E-00	3.8E+01	1.3E+00	8.6E+00	5.8E+01	3.6E+01
6.1	2.7E+01	3.1E+01	9.9E+01	4.0E+01	3.0E+05	2.3E+01	5.1E-00	4.0E+01	1.7E+00	8.0E+00	5.9E+01	3.9E+01
6.2	2.8E+01	3.3E+01	1.2E+02	4.2E+01	4.2E+05	2.2E+01	7.5E-00	4.2E+01	2.1E+00	7.5E+00	6.1E+01	4.2E+01
6.3	2.8E+01	3.5E+01	1.6E+02	4.4E+01	5.8E+05	2.2E+01	1.1E+01	4.5E+01	2.7E+00	7.0E+00	6.2E+01	4.4E+01
6.4	2.8E+01	3.6E+01	2.1E+02	4.8E+01	7.7E+05	2.1E+01	1.6E+01	4.7E+01	3.4E+00	6.5E+00	6.4E+01	4.7E+01
6.5	2.8E+01	3.7E+01	2.8E+02	5.2E+01	9.9E+05	2.0E+01	2.2E+01	5.0E+01	4.2E+00	6.1E+00	6.6E+01	5.1E+01
6.6	2.8E+01	3.9E+01	3.9E+02	5.7E+01	1.2E+06	2.0E+01	3.0E+01	5.4E+01	5.3E+00	5.7E+00	6.7E+01	5.4E+01

pH	As	Ba	Be	Cd	Cr (+3)	Cr (+6)	Hg	Ni	Ag	Se	Tl	Zn
6.7	2.9E+01	4.0E+01	5.5E+02	6.4E+01	1.5E+06	1.9E+01	4.0E+01	5.8E+01	6.6E+00	5.3E+00	6.9E+01	5.8E+01
6.8	2.9E+01	4.1E+01	7.9E+02	7.5E+01	1.8E+06	1.9E+01	5.2E+01	6.5E+01	8.3E+00	5.0E+00	7.1E+01	6.2E+01
6.9	2.9E+01	4.2E+01	1.1E+03	9.1E+01	2.1E+06	1.8E+01	6.6E+01	7.4E+01	1.0E+01	4.7E+00	7.3E+01	6.8E+01
7.0	2.9E+01	4.2E+01	1.7E+03	1.1E+02	2.5E+06	1.8E+01	8.2E+01	8.8E+01	1.3E+01	4.3E+00	7.4E+01	7.5E+01
7.1	2.9E+01	4.3E+01	2.5E+03	1.5E+02	2.8E+06	1.7E+01	9.9E+01	1.1E+02	1.6E+01	4.1E+00	7.6E+01	8.3E+01
7.2	3.0E+01	4.4E+01	3.8E+03	2.0E+02	3.1E+06	1.7E+01	1.2E+02	1.4E+02	2.0E+01	3.8E+00	7.8E+01	9.5E+01
7.3	3.0E+01	4.4E+01	5.7E+03	2.8E+02	3.4E+06	1.6E+01	1.3E+02	1.8E+02	2.5E+01	3.5E+00	8.0E+01	1.1E+02
7.4	3.0E+01	4.5E+01	8.6E+03	4.0E+02	3.7E+06	1.6E+01	1.5E+02	2.5E+02	3.1E+01	3.3E+00	8.2E+01	1.3E+02
7.5	3.0E+01	4.6E+01	1.3E+04	5.9E+02	3.9E+06	1.6E+01	1.6E+02	3.5E+02	3.9E+01	3.1E+00	8.5E+01	1.6E+02
7.6	3.1E+01	4.6E+01	2.0E+04	8.7E+02	4.1E+06	1.5E+01	1.7E+02	4.9E+02	4.8E+01	2.9E+00	8.7E+01	1.9E+02
7.7	3.1E+01	4.7E+01	3.0E+04	1.3E+03	4.2E+06	1.5E+01	1.8E+02	7.0E+02	5.9E+01	2.7E+00	8.9E+01	2.4E+02
7.8	3.1E+01	4.9E+01	4.6E+04	1.9E+03	4.3E+06	1.4E+01	1.9E+02	9.9E+02	7.3E+01	2.5E+00	9.1E+01	3.1E+02
7.9	3.1E+01	5.0E+01	6.9E+04	2.9E+03	4.3E+06	1.4E+01	1.9E+02	1.4E+03	8.9E+01	2.4E+00	9.4E+01	4.0E+02
8.0	3.1E+01	5.2E+01	1.0E+05	4.3E+03	4.3E+06	1.4E+01	2.0E+02	1.9E+03	1.1E+02	2.2E+00	9.6E+01	5.3E+02

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

(Source: Amended at 25 Ill. Reg. 10374, effective \_\_\_\_\_)

## DEPARTMENT OF PUBLIC AID

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- 1) Heading of the Part: Hospital Services
- 2) Code Citation: 89 Ill. Adm. Code 148
- 3) Section Numbers: Adopted Action:  
148.82 Amendment  
148.310 Amendment
- 4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/12-13]
- 5) Effective Date of Amendments: August 2, 2001
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Do these amendments contain incorporations by reference? No
- 8) A copy of the adopted amendments, including any material incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Notice of Proposal Published in Illinois Register:  
Section 148.82 - March 23, 2001 (25 Ill. Reg. 4124)  
Section 148.310 - April 13, 2001 (25 Ill. Reg. 5254)
- 10) Has JCAR issued a Statement of Objection to these amendments? No
- 11) Differences Between Proposal and Final Version: No substantive changes have been made to the proposed amendments.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreements issued by JCAR? Yes
- 13) Will these amendments replace emergency amendments currently in effect?  
Yes
- 14) Are there any other amendments pending on this Part? Yes
- Sections Proposed Action Illinois Register Citation  
148.285 Amendment June 22, 2001 (25 Ill. Reg. 7536)
- 15) Summary and Purpose of Amendments:

Section 148.82

These amendments provide changes in the Department's administrative rules concerning organ transplant services by extending coverage for stem cell transplants to outpatient settings. Transplant centers providing



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outpatient adult and pediatric stem cell transplants are required to meet all of the certification criteria for hospitals that perform inpatient bone marrow transplants, as described in Section 148.82. The transplant center is also required to be part of a certified inpatient transplant program that has been in operation for at least two years.

Other changes to Section 148.82 add clarifications that the Department covers organ transplants for aliens who have been lawfully admitted for permanent residence in the United States under color of law pursuant to 42 USC 1396a(a) and 1396b(v).

Although outpatient transplantation is more cost effective than similar procedures performed in inpatient settings, the budgetary impact of these amendments is not known at this time.

Section 148.310

Section 148.310 has been revised in conjunction with implementation of a new Tertiary Care Adjustment Payments program in order to provide an appeal mechanism for hospitals. These payments, implemented April 1, 2001, provide monetary recognition for higher level, complex medical care for eligible hospitals. Tertiary Care Adjustment Payments are composed of six separate adjustments, each of which has a specific reimbursement methodology. The new provisions in subsection (j) allow hospitals to request a review by the Department concerning payment calculations as well as determinations of ineligibility for Tertiary Care Adjustment Payments. Similarly, the amendments in new subsection (l) provide appeal rights for providers relative to Pediatric Inpatient Adjustment Payments.

Additional changes strike text relating to a time-limited payment for fiscal year 2000 only and time-limited Supplemental Critical Hospital Adjustment Payments because the sunset date was September 30, 1999. Several outdated references are also stricken because they relate to a DHA (direct hospital adjustment) program that concluded on September 30, 1999.

**16) Information and questions regarding these adopted amendments shall be directed to:**

Joanne Jones  
Office of the General Counsel, Rules Section  
Illinois Department of Public Aid  
201 South Grand Avenue East, Third Floor  
Springfield, Illinois 62763-0002  
(217) 524-0081

The full text of the adopted amendments begins on the next page:

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**TITLE 89: SOCIAL SERVICES**  
**CHAPTER I: DEPARTMENT OF PUBLIC AID**  
**SUBCHAPTER d: MEDICAL PROGRAMS**

**PART 148**  
**HOSPITAL SERVICES**

Section	
148.10	Hospital Services
148.20	Participation
148.25	Definitions and Applicability
148.30	General Requirements
148.40	Special Requirements
148.50	Covered Hospital Services
148.60	Services Not Covered as Hospital Services
148.70	Limitation On Hospital Services
148.80	Organ Transplants Services Covered Under Medicaid (Repealed)
148.82	Organ Transplant Services
148.90	Heart Transplants (Repealed)
148.100	Liver Transplants (Repealed)
148.110	Bone Marrow Transplants (Repealed)
148.120	Disproportionate Share Hospital (DSH) Adjustments
148.130	Outlier Adjustments for Exceptionally Costly Stays
148.140	Hospital Outpatient and Clinic Services
148.150	Public Law 103-66 Requirements
148.160	Payment Methodology for County-Owned Hospitals in an Illinois County with a Population of Over Three Million
148.170	Payment Methodology for Hospitals Organized Under the University of Illinois Hospital Act
148.175	Supplemental Disproportionate Share Payment Methodology for Hospitals Organized Under the Town Hospital Act
148.180	Payment for Pre-operative Days, Patient Specific Orders, and Services Which Can Be Performed in an Outpatient Setting
148.190	Copayments
148.200	Alternate Reimbursement Systems
148.210	Filing Cost Reports
148.220	Pre September 1, 1991 Admissions
148.230	Admissions Occurring on or after September 1, 1991
148.240	Utilization Review and Furnishing of Inpatient Hospital Services Directly or Under Arrangements
148.250	Determination of Alternate Payment Rates to Certain Exempt Hospitals
148.260	Calculation and Definitions of Inpatient Per Diem Rates
148.270	Determination of Alternate Cost Per Diem Rates for All Hospitals; Payment Rates for Certain Exempt Hospital Units; and Payment Rates for Certain Other Hospitals
148.280	Reimbursement Methodologies for Children's Hospitals and Hospitals Reimbursed Under Special Arrangements
148.285	Excellence in Academic Medicine Payments

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148.290 Adjustments and Reductions to Total Payments  
 148.295 Critical Hospital Adjustment Payments (CHAP)  
 148.296 Tertiary Care Adjustment Payments  
 148.297 Pediatric Outpatient Adjustment Payments  
 148.298 Pediatric Inpatient Adjustment Payments  
 148.300 Payment  
 148.310 Review Procedure  
 148.320 Alternatives  
 148.330 Exemptions  
 148.340 Subacute Alcoholism and Substance Abuse Treatment Services  
 148.350 Definitions (Repealed)  
 148.360 Types of Subacute Alcoholism and Substance Abuse Treatment Services (Repealed)  
 148.368 Volume Adjustment (Repealed)  
 148.370 Payment for Subacute Alcoholism and Substance Abuse Treatment Services  
 148.380 Rate Appeals for Subacute Alcoholism and Substance Abuse Treatment Services (Repealed)  
 148.390 Hearings  
 148.400 Special Hospital Reporting Requirements

**AUTHORITY:** Implementing and authorized by Articles III, IV, V, VI, and Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. III, IV, V, VI and 12-13].

**SOURCE:** Sections 148.10 thru 148.390 recodified from 89 Ill. Adm. Code 140.94 thru 140.398 at 13 Ill. Reg. 9572; Section 148.120 recodified from 89 Ill. Adm. Code 140.110 at 13 Ill. Reg. 12118; amended at 14 Ill. Reg. 2553, effective February 9, 1990; emergency amendment at 14 Ill. Reg. 11392, effective July 1, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 15358, effective September 13, 1990; amended at 14 Ill. Reg. 16988, effective October 4, 1990; amended at 14 Ill. Reg. 18293, effective October 30, 1990; amended at 14 Ill. Reg. 18499, effective November 8, 1990; emergency amendment at 15 Ill. Reg. 10502, effective July 1, 1991, for a maximum of 150 days; emergency expired October 29, 1991; emergency amendment at 15 Ill. Reg. 12005, effective August 9, 1991, for a maximum of 150 days; emergency expired January 6, 1992; maximum of 150 days; amended at 15 Ill. Reg. 18684, effective December 23, 1991; amended at 16 Ill. Reg. 6255, effective March 27, 1992; emergency amendment at 16 Ill. Reg. 11335, effective June 30, 1992, for a maximum of 150 days; emergency expired November 27, 1992; emergency amendment at 16 Ill. Reg. 11942, effective July 10, 1992, for a maximum of 150 days; emergency amendment at 16 Ill. Reg. 14778, effective October 1, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 19873, effective December 7, 1992; amended at 17 Ill. Reg. 131, effective December 21, 1992; amended at 17 Ill. Reg. 3296, effective March 1, 1993; amended at 17 Ill. Reg. 6649, effective April 21, 1993; amended at 17 Ill. Reg. 14643, effective August 30, 1993; emergency amendment at 17 Ill. Reg. 17323, effective October 1, 1993, for a maximum of 150 days; amended

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at 18 Ill. Reg. 3450, effective February 28, 1994; emergency amendment at 18 Ill. Reg. 12853, effective August 2, 1994, for a maximum of 150 days; amended at 18 Ill. Reg. 14117, effective September 1, 1994; amended at 18 Ill. Reg. 17648, effective November 29, 1994; amended at 19 Ill. Reg. 1067, effective January 20, 1995; emergency amendment at 19 Ill. Reg. 3510, effective March 1, 1995, for a maximum of 150 days; emergency expired July 29, 1995; emergency amendment at 19 Ill. Reg. 6709, effective May 12, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 10060, effective June 29, 1995; emergency amendment at 19 Ill. Reg. 10752, effective July 1, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 13009, effective September 5, 1995; amended at 19 Ill. Reg. 16630, effective November 28, 1995; amended at 20 Ill. Reg. 872, effective December 29, 1995; amended at 20 Ill. Reg. 7912, effective May 31, 1996; emergency amendment at 20 Ill. Reg. 9281, effective July 1, 1996, for a maximum of 150 days; emergency amendment at 20 Ill. Reg. 12510, effective September 1, 1996, for a maximum of 150 days; amended at 20 Ill. Reg. 15722, effective November 27, 1996; amended at 21 Ill. Reg. 607, effective January 2, 1997; amended at 21 Ill. Reg. 8386, effective June 23, 1997; emergency amendment at 21 Ill. Reg. 9552, effective July 1, 1997, for a maximum of 150 days; emergency amendment at 21 Ill. Reg. 9822, effective July 2, 1997, for a maximum of 150 days; emergency amendment at 21 Ill. Reg. 10147, effective August 1, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 13349, effective September 23, 1997; emergency amendment at 21 Ill. Reg. 13675, effective September 27, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 16161, effective November 26, 1997; amended at 22 Ill. Reg. 1408, effective December 29, 1997; amended at 22 Ill. Reg. 3083, effective January 26, 1998; amended at 22 Ill. Reg. 11514, effective June 22, 1998; emergency amendment at 22 Ill. Reg. 13070, effective July 1, 1998, for a maximum of 150 days; emergency amendment at 22 Ill. Reg. 15027, effective August 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 16273, effective August 28, 1998; amendment at 22 Ill. Reg. 21490, effective November 25, 1998; amended at 23 Ill. Reg. 5784, effective April 30, 1999; amended at 23 Ill. Reg. 7115, effective June 1, 1999; amended at 23 Ill. Reg. 7908, effective June 30, 1999; emergency amendment at 23 Ill. Reg. 8213, effective July 1, 1999, for a maximum of 150 days; emergency amendment at 23 Ill. Reg. 12772, effective October 1, 1999, for a maximum of 150 days; amended at 23 Ill. Reg. 13621, effective November 1, 1999; amended at 24 Ill. Reg. 2400, effective February 1, 2000; amended at 24 Ill. Reg. 3845, effective February 25, 2000; emergency amendment at 24 Ill. Reg. 10386, effective July 1, 2000, for a maximum of 150 days; amended at 24 Ill. Reg. 11846, effective August 1, 2000; amended at 24 Ill. Reg. 16067, effective October 16, 2000; amended at 24 Ill. Reg. 17146, effective November 1, 2000; amended at 24 Ill. Reg. 18293, effective December 1, 2000; amended at 25 Ill. Reg. 5359, effective April 1, 2001; emergency amendment at 25 Ill. Reg. 5432, effective April 1, 2001, for a maximum of 150 days; amended at 25 Ill. Reg. 6959, effective June 1, 2001; emergency amendment at 25 Ill. Reg. 9974, effective July 23, 2001, for a maximum of 150 days; amended at 25 Ill. Reg. ~~10513~~, effective



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**Section 148.82 Organ Transplant Services****a) Introduction**

The Department of Public Aid will cover organ transplants as identified under subsection (b) of this Section that are provided to United States citizens or aliens who are lawfully admitted for permanent residence in the United States under color of law pursuant to 42 USC 1396a(a) and 1396b(v). Such services must be ~~below--which are~~ provided by certified organ transplant centers which meet the requirements specified in subsections (c) through (h) of this Section.

**b) Covered Services**

1) ~~Inpatient Bone-marrow~~ heart, heart/lung, lung (single or double), liver, pancreas or kidney/pancreas transplantation. Inpatient bone marrow transplants, inpatient and outpatient stem cell transplants.

2) ~~Inpatient intestinal~~ ~~intestinal~~ (small bowel or liver/small bowel) transplantation for children only (see subsection (d)(1)(H) of this Section).

3) Other types of transplant procedures may be covered when a hospital has been certified by the Department as a transplant center eligible to perform such transplants. Centers must complete the certification process established in subsection (c) of this Section and provide the necessary documentation of the number of transplant procedures performed and the survival rates.

4) Medically necessary work-up.

**c) Certification Process**

1) In order to be certified to receive reimbursement for transplants performed on Medical Assistance and KidCare ~~Medicaid~~ patients, the hospital must:

- A) Request an application from the Bureau of Comprehensive Health Services;
- B) Submit a completed application to the Department for the type of transplant for which the center is seeking certification;
- C) Meet certification criteria established in subsection (d) of this Section, based upon review and recommendation of each application by the State Medical Advisory Committee (SMAC); and
- D) Submit a detailed status report on each patient for the type of transplant for which the hospital is seeking certification. Such reports must include the patient's diagnosis, date of transplant, the length of hospitalization, charges, survival rates, patient-specific transplant outcome, and complications (including cause of death, if applicable) for all transplants performed in the time frames required for the type of transplant indicated in subsections (d)(1)(C), (D), (E), (F), (G), or (H), (I) or (J) of this Section. To protect the privacy of patients

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included in this report, names of ~~non-Medicaid~~ patients who are not covered under Medical Assistance or KidCare are not required.

2) The Department shall notify the hospital of approval or denial of the hospital as a transplant center for Medical Assistance and KidCare ~~Medicaid~~ eligible patients.

3) In the event that no hospital formally certified by the Department is able to provide a covered service set forth in subsection (b) of this Section within the time frame necessary to preserve the recipient's health, the Department shall review a request for prior approval of the service from a non-certified facility, and if the facility satisfies the criteria for certification, approve the request on an individual case basis.

4) A joint application combining the statistical data for the adult and pediatric programs from two affiliated hospitals that share the same surgeons may be submitted for review by the State Medical Advisory Committee. The hospitals must meet the criteria under subsections (d)(1)(A), (B), ~~(d)(7)~~ (K), (L), (M), (N), (O), and (P) ~~7~~ and ~~(Q)~~, the applicable criteria under subsections (d)(1)(C), (D) or (J) ~~(7)~~ and (d)(1)(R) ~~(7)~~, subsections (d)(2), (3) and (4), and subsection (e) of this Section for certification and recertification.

**d) Certification Criteria**

1) Hospitals seeking certification as a transplant center shall submit documentation to verify that:

- A) The hospital is capable of providing all necessary medical care required by the transplant patient;
- B) The hospital is affiliated with an academic health center;
- C) The hospital has had the transplant program for inpatient adult heart and liver transplants in operation for at least three years with 12 transplant procedures per year for the past two years and 12 cases in the three year period preceding the most current two year period for adult heart and liver transplants;
- D) The hospital has had the transplant program for inpatient adult heart/lung and lung transplants in operation for at least three years with ten transplant procedures per year for the past two years and ten cases in the three year period preceding the most current two year period for adult heart/lung and lung transplants;
- E) A hospital specializing in inpatient pediatric heart/lung and lung transplants has had a program in operation for at least three years and has performed a minimum of six transplant procedures per year for the past two years, and six procedures in the three year period preceding the most current two year period;
- F) The hospital has had the transplant program for inpatient adult and pediatric bone marrow transplants in operation for



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at least two years with 12 transplant procedures per year for the past two years;

- G) The hospital performing outpatient adult and pediatric stem cell transplants must be part of a certified inpatient program and must have been in operation for at least two years with at least 12 outpatient stem cell transplant procedures per year in the past two years;

- H) A hospital specializing in inpatient pediatric heart or liver transplants, or both, has had a program in operation for at least three years and has performed a minimum of six transplant procedures per year for the past two years, and six procedures in the three year period preceding the most current two year period;

- I) A hospital specializing in inpatient pediatric intestinal (small bowel or liver/small bowel) transplants has had a program in operation for at least three years and has performed a minimum of six transplant procedures per year for the past two years, and six procedures in the three year period preceding the most current two year period;

- J) A hospital specializing in inpatient kidney/pancreas and/or pancreas transplants has had the transplant program in operation for at least three years with 25 kidney transplant procedures per year for the past two years and 25 cases in the three year period preceding the most current two year period, and five pancreas transplant procedures per year for the past two years and five in the three year period preceding the most current two year period, or 12 kidney/pancreas transplant procedures per year for the past two years and 12 in the three year period preceding the most current two year period;

- K) The hospital has experts, on staff, in the fields of cardiology, pulmonology, anesthesiology, immunology, infectious disease, nursing, social services, organ procurement, associated surgery and internal medicine to complement the transplant team. In addition, in order to qualify as a transplant center for pediatric patients, the hospital must also have experts in the field of pediatrics; The hospital has an active cardiovascular medical and surgical program as evidenced by the number of cardiac catheterizations, coronary arteriograms and open heart procedures per year for heart and heart/lung transplant candidates;

- L) The hospital has pathology resources that are available for studying and reporting the pathological responses for transplantation as supported by appropriate documentation;

- M) The hospital complies with applicable State and federal laws and regulations;

- N) The hospital participates in a recognized national donor

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procurement program for organs or bone marrow provided by unrelated donors, abides by its rules, and provides the Department with the name of the national organization of which it is a member;

- P) The hospital has an interdisciplinary body to determine the suitability of candidates for transplantation as supported by appropriate documentation;

- Q) The hospital has blood bank support necessary to meet the demands of a certified transplant center as supported by appropriate documentation; and

- R) The hospital meets the applicable transplant survival rates as supported by the Kaplan-Meier method or other method accepted by the Department:

- i) A one-year survival rate of 50 percent for inpatient bone marrow and inpatient and outpatient stem cell transplant patients;
- ii) A one-year survival rate of 75 percent and a two-year survival rate of 60 percent for heart transplant patients;
- iii) A one-year survival rate of 75 percent and a two-year survival rate of 60 percent for liver transplant patients;
- iv) A one-year survival rate of 90 percent for kidney transplant and a one-year survival rate of 80 percent for pancreas transplant; or a one-year survival rate of 80 percent for kidney/pancreas transplant patients;
- v) A one-year survival rate of 65 percent and a two-year survival rate of 60 percent for heart/lung and lung (single or double) transplant patients;
- vi) A one-year survival rate of 60 percent and a two-year survival rate of 55 percent for intestinal transplants (small bowel or liver/small bowel).

- 2) The commitment of the hospital to support the transplant center must be at all levels as evidenced by such factors as financial resources, allocation of space and the support of the professional staff for the transplant program and its patients. The hospital must submit appropriate documentation to demonstrate that:

- A) Component teams are integrated into a comprehensive transplant team with clearly defined leadership and responsibility;

- B) The hospital safeguards the rights and privacy of patients;
- C) The hospital has adequate patient management plans and protocols to meet the patient and hospital's needs.

- 3) The hospital must identify, in writing, the director of the transplant program and the members of the team as well as their qualifications. Physician team members must be identified as board certified, in preparation for board certification, or

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pending board certification, and the transplant coordinator's name must be submitted.

- 4) The hospital must provide patient selection criteria including indications and contraindications for the type of transplant procedure for which the facility is seeking certification.

## e) Recertification Process/Criteria

- 1) The Department will conduct an annual review for certification of transplant centers. A certified center must submit documentation established under subsections (c), (d), (f) and (h) of this Section for review by the Department's State Medical Advisory Committee for recertification as a transplant center.

- 2) Survival rates of previous transplant patients must be documented prior to certification. The center must maintain patient volume in the year of certification based on previous transplant statistics.

- 3) The Department shall notify the hospital of approval or denial of the recertification of the hospital as a transplant center.

- 4) If the hospital has previously met the requirements for certification or recertification of its program under subsections (d)(1)(f), (K), (L), (M), (N), (O), (P) and (Q) and (d)(2), (3) and (4) of this Section and the program has experienced no changes under the above subsections, as evidenced in written documentation on the hospital's application, the hospital will not be required to resubmit the same data.

- 5) If a center has previously met the requirements for certification or recertification of its program under subsections (d)(1)(f), (K), (L), (M), (N), (O), (P), (Q) and (R)(i) through (R)(vi) ~~(Q)(i) through (Q)(vi)~~, but has performed fewer than the required number of transplants pursuant to subsections (d)(1)(C), (D), (E), (F), (G), (H), or (I) or (J) as appropriate, the Department may recertify the center if it determines that the best interests of the Medical Assistance or KidCare Medicaid client eligible for transplant services would be served by allowing continued certification of the center. Criteria the Department may consider in making such a determination include, but are not limited to:
  - A) Not recertifying a center would limit the accessibility of available organs.
  - B) Other centers are not accepting new patients or have extensive waiting lists.
  - C) The distance to other eligible centers would jeopardize the client's opportunity to receive a viable organ/tissue transplant.

## f) Notification of Transplant

- 1) The hospital must notify the Department prior to performance of the transplant procedure. The notification letter must be from a physician on the transplant team.
- 2) The notification must include the admission diagnosis and

pre-transplant diagnosis.

- 3) The Department shall notify the hospital regarding receipt of the notification and provide the appropriate outcome summary forms to the hospital.

## g) Reimbursement

- 1) Hospital services rendered for transplant procedures under this Section are exempt from the provisions of Sections 148.250 through 148.330 and the 89 Ill. Adm. Code 149 of the Department's administrative rules governing hospital reimbursement. Hospital reimbursement for transplants covered within this Section is an all-inclusive rate for the admission, regardless of the number of days of care associated with that admission, which is limited to a maximum of 60 percent of the hospital's usual and customary charges to the general public for the same procedure for a maximum number of days listed below for specific types of transplants:
  - A) 30 consecutive days of post-operative inpatient care for heart, heart/lung, lung (single or double), pancreas, or kidney/pancreas transplant; or
  - B) 40 consecutive days of post-operative inpatient care for liver transplant; or
  - C) 50 consecutive days of post-operative inpatient care for bone marrow transplant (this includes a maximum of seven days prior to the transplant for infusion of chemotherapy); or
  - D) 50 consecutive days of care for an inpatient or outpatient stem cell transplant; or
  - E) 70 consecutive days of post-operative inpatient care for intestinal (small bowel or liver/small bowel) transplants; or
  - F) For those transplants covered under subsection (b)(2) of this Section, the number of consecutive days of inpatient care specified within the transplant certification process.

- 2) Reimbursement will be approved only when the Department's letter acknowledging the notification of the transplant procedure is attached to the hospital's claim. Reimbursement will not be made until the discharge summary has been submitted to the Department.

- 3) Applicable disproportionate share payment adjustments shall be made in accordance with Section 148.120(g). Applicable outlier adjustments shall be made in accordance with Section 148.130. Applicable Medicaid High Volume adjustments shall be made in accordance with Section 148.290(d).

- 4) The rate will not include transportation and physician fees when reimbursed pursuant to 89 Ill. Adm. Code 140.410 through 140.414 and 140.490 through 140.492, respectively.

- 5) Hospital reimbursement for bone marrow searches is limited to 60 percent of charges up to a maximum of \$25,000. Payment for bone marrow searches will only be made to the certified center requesting reimbursement for the bone marrow transplant.

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- 6) Reimbursement for stem cell acquisition charges which includes the mobilization, chemotherapy, cytokines and apheresis processes must be billed under the appropriate revenue code on the claim submitted for the transplant procedure.

h) Reporting Requirements of Certified Transplant Center  
The following documentation must be submitted within the time limits set forth in this subsection (h).

- 1) Outcome Summary
  - A) The discharge summary for each Medical Assistance and KidCare Medicaid patient must be received by the Department within 30 days after the patient's discharge.
  - B) For those Medical Assistance and KidCare Medicaid patients who expire, a summary must be received by the Department within 30 days after the patient's death.
- 2) Notification of Changes  
The center must notify the Department within 30 days after any changes in its program, including, but not limited to, certification criteria, patient selection criteria, members of the transplant team and the coordinator.

(Source: Amended at 25 Ill. Reg. 10513-, effective \_\_\_\_\_)

## Section 148.310 Review Procedure

## a) Inpatient Rate Reviews

- 1) Hospitals shall be notified of their inpatient rate for the rate year and shall have an opportunity to request a review of any the rate for errors in calculation made by the Department. Such a request must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of their rates. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

- 2) Hospitals reimbursed in accordance with Sections 148.250 through 148.300 and 89 Ill. Adm. Code 149 with respect to per diem add-ons for capital may request that an adjustment be made to their base year costs to reflect significant changes in costs which have been mandated in order to meet State, federal or local health and safety standards, and which have occurred since the hospital's filing of the base year cost report. The allowable Medicare/Medicaid costs must be identified from the most recent audited cost report available. These costs must be significant, i.e., on a per unit basis, they must constitute one percent or more of the total allowable Medicaid/Medicare unit costs for the same time period. Appeals for base year cost adjustments must be submitted in writing to the Department and must be received or

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post marked within 30 days after the date of the Department's notice to the hospital of their rates. Such request shall include a clear explanation of the cost change and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

## b) DSH Determination Reviews

- 1) Hospitals shall be notified of their qualification for DSH payment adjustments and shall have an opportunity to request a review of the DSH add-on for errors in calculation made by the Department. Such a request must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its disproportionate share qualification and add-on calculations. Such request shall include a clear explanation of the error and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.
- 2) DSH determination reviews shall be limited to the following:
  - A) DSH Determination Criteria. The criteria for DSH determination shall be in accordance with Section 148.120. Review shall be limited to verification that the Department utilized criteria in accordance with State regulations.
  - B) Medicaid Inpatient Utilization Rates. Medicaid inpatient utilization rates shall be calculated pursuant to Section 1923 of the Social Security Act and as defined in Section 148.120(k)(5). Review shall be limited to verification that Medicaid inpatient utilization rates were calculated in accordance with federal and State regulations.
  - C) Low Income Utilization Rates. Low income utilization rates shall be calculated in accordance with Section 1923 of the Social Security Act and Section 148.120(a)(2) and (d). Review shall be limited to verification that low income utilization rates were calculated in accordance with federal and State regulations.
  - D) Federally Designated Health Manpower Shortage Areas (HMSAs). Illinois hospitals located in federally designated HMSAs shall be identified in accordance with 42 CFR 5, 1989, and Section 148.120(a)(3) based upon the methodologies utilized by, and the most current information available to the Department from the Department of Health and Human Services as of June 30, 1992. Review shall be limited to hospitals in locations that have failed to obtain designation as federally designated HMSAs only when such a request for review is accompanied by documentation from the Department of Health and Human Services substantiating that the hospital was located in a federally designated HMSA as of June 30, 1992.



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- E) Excess Beds. Excess bed information shall be determined in accordance with Public Act 86-268 (Code Section 148.120(a)(3) and 77 Ill. Adm. Code 1100) based upon the methodologies utilized by, and the most current information available to, the Illinois Health Facilities Planning Board as of July 1, 1991. Reviews shall be limited to requests accompanied by documentation from the Illinois Health Facilities Planning Board substantiating that the information supplied to and utilized by the Department was incorrect.
- F) Medicaid Obstetrical Inpatient Utilization Rates. Medicaid obstetrical inpatient utilization rates shall be calculated in accordance with Section 148.120(a)(4), (k)(4), (k)(6) and (k)(7). Review shall be limited to verification that Medicaid obstetrical inpatient utilization rates were calculated in accordance with State regulations.

## c) Outlier Adjustment Reviews

The Department shall make outlier adjustments to payment amounts in accordance with 89 Ill. Adm. Code 149.105 or Section 148.130, whichever is applicable. Hospitals shall be notified of the specific information which shall be utilized in the determination of those services qualified for an outlier adjustment and shall have an opportunity to request a review of such specific information for errors in calculation made by the Department only. Such a request must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of the specific information which shall be utilized in the determination of those services qualified for an outlier adjustment. Such request shall include a clear explanation of the error and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

## d) Cost Report Reviews

- 1) Cost reports are required from:
- All enrolled hospitals within the State of Illinois;
  - All out-of-state hospitals providing 100 inpatient days of service per hospital fiscal year, to persons covered by the Illinois Medical Assistance Program; and
  - All hospitals not located in Illinois that elect to be reimbursed under the methodology described in 89 Ill. Adm. Code 149 (the DRG PPS).
- 2) The completed cost statement with a copy of the hospital's Medicare cost report and audited financial statement must be submitted annually within 90 days of the close of the hospital's fiscal year. A one-time 30-day extension may be requested. Such a request for an extension shall be in writing and shall be received by the Department's Office of Health Finance prior to the end of the 90-day filing period. The Office of Health

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Finance shall audit the information shown on the Hospital Statement of Reimbursable Cost and Support Schedules. The audit shall be made in accordance with generally accepted auditing standards and shall include tests of the accounting and statistical records and applicable auditing procedures. Hospitals shall be notified of the results of the final audited cost report which may contain adjustments and revisions which may have resulted from the audited Medicare Cost Report. Hospitals shall have the opportunity to request a review of the final audited cost report. Such a request must be received in writing by the Department within 45 days after the date of the Department's notice to the hospital of the results of the finalized audit. Such request shall include all items of documentation and analysis which support the request for review. No additional data shall be accepted after the 45 day period. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

## e) Trauma Center Adjustment Reviews

- The Department shall make trauma care adjustments in accordance with Section 148.290(c). Hospitals shall have the right to appeal the trauma center adjustment calculations if it is believed that a technical error has been made in the calculation by the Department.
- Trauma level designation is obtained from the Illinois Department of Public Health as of the first day of July preceding the trauma center adjustment rate period. Review shall be limited to requests accompanied by documentation from the Illinois Department of Public Health, or the licensing agency in the state in which the hospital is located, substantiating that the information supplied to and utilized by the Department was incorrect.
- Appeals under this subsection (e) must be in writing and must be received within 30 days after the date of the Department's notice to the hospital of its qualification for trauma center adjustments and payment amounts. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.
- Medicaid High Volume Adjustment Reviews  
The Department shall make Medicaid high volume adjustments in accordance with Section 148.290(d). Review shall be limited to verification that the Medicaid inpatient days were calculated in accordance with State regulations. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its qualification for Medicaid high volume adjustments and payment

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notice to the hospital of its qualification for CHAP and payment adjustment amounts, or a letter of notification that the hospital does not qualify for the CHAP. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

- 2) CHAP determination reviews shall be limited to the following:
- A) Federally Designated Health Professional Shortage Areas (HPSAs). Illinois hospitals located in federally designated HPSAs shall be identified in accordance with 42 CFR 5, and Section 148.295(a)(3)(B) and (b)(3) based upon the methodologies utilized by, and the most current information available to, the Department from the Department of Health and Human Services as of the last day of June preceding the CHAP rate period. Review shall be limited to hospitals in locations that have failed to obtain designation as federally designated HPSAs only when such a request for review is accompanied by documentation from the Department of Health and Human Services substantiating that the hospital was located in a federally designated HPSA as of the last day of June preceding the CHAP rate period.
  - B) Trauma level designation. Trauma level designation is obtained from the Illinois Department of Public Health as of the last day of June preceding the CHAP rate period. Review shall be limited to requests accompanied by documentation from the Illinois Department of Public Health, substantiating that the information supplied to and utilized by the Department was incorrect.
  - C) Accreditation of Rehabilitation Facilities. Accreditation of rehabilitation facilities shall be obtained from the Commission on Accreditation of Rehabilitation Facilities as of the last day of June preceding the CHAP rate period. Review shall be limited to requests accompanied by documentation from the Commission, substantiating that the information supplied to and utilized by the Department was incorrect.
  - D) Medicaid Inpatient Utilization Rates. Medicaid inpatient utilization rates shall be calculated pursuant to Section 1923 of the Social Security Act and as defined in Section 148.120(k)(5). Review shall be limited to verification that Medicaid inpatient utilization rates were calculated in accordance with federal and State regulations.
  - E) Perinatal-level designation--Perinatal-level designation is obtained from the Illinois Department of Public Health as of the last day of June preceding the CHAP rate period. Review shall be limited to requests accompanied by documentation from the Illinois Department of Public Health

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adjustment amounts. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

- g) Sole Community Hospital Designation Reviews
- The Department shall make sole community hospital designations in accordance with 89 Ill. Adm. Code 149.125(b). Hospitals shall have the right to appeal the designation if it is believed that a technical error has been made in the determination. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after notification of the designation. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review no later than 30 days after receipt of the hospital's request for review.
- h) Geographic Designation Reviews
- 1) The Department shall make rural hospital designation in accordance with Section 148.25(g)(3). Hospitals shall have the right to appeal the designation if it is believed that a technical error has been made in the determination. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after notification of the designation. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review no later than 30 days after receipt of the hospital's request for review.
- 2) The Department shall make urban hospital designations in accordance with Section 148.25(g)(4). Hospitals shall have the right to appeal the designation if it is believed that a technical error has been made in the determination. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after notification of the designation. Such a request shall include a clear explanation of the reason for the appeal and documentation of the desired correction. The Department shall notify the hospital of the results of the review no later than 30 days after receipt of the hospital's request for review.
- i) Critical Hospital Adjustment Payment (CHAP) Reviews
- 1) The Department shall make CHAP payments in accordance with Section 148.295. Hospitals shall be notified in writing of the results of the CHAP determination and calculation, and shall have the right to appeal the CHAP calculation or their ineligibility for the CHAP if it is believed that a technical error has been made in the calculation by the Department. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's



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substantiating that the information supplied to and utilized by the Department was incorrect.

F) ~~Disproportionate share eligibility--Disproportionate share eligibility shall be determined pursuant to Section 148.129. Review shall be limited to verification that the Department utilized criteria in accordance with State regulations.~~

G) ~~Occupancy ratio--The occupancy ratio shall be obtained from the Illinois Department of Public Health's published report entitled "Bed Count-Average Length of Stay-Average Daily Census-and Percent Occupancy for Non-Federal Hospitals--in Illinois" as of the last day of June preceding the CHAP rate period. Review shall be limited to requests accompanied by documentation from the Illinois Department of Public Health substantiating that the information supplied to and used by the Department was incorrect.~~

H) Graduate Medical Education Programs. Graduate Medical Education program information shall be obtained from the most recently published report of the American Accreditation Council for Graduate Medical Education, the American Osteopathic Association Division of Post-doctoral Training, or the American Dental Association Joint Commission on Dental Accreditation as of the last day of June preceding the CHAP rate period. Review shall be limited to requests accompanied by documentation from the above, substantiating that the information supplied to and utilized by the Department was incorrect.

J) ~~Tertiary Care Supplemental--Critical--Hospital Adjustment Payments (SCHAP) Reviews.~~ The Department shall make ~~Tertiary Care Adjustment Payments~~ SCHAP payments in accordance with Section 148.296. Hospitals shall be notified in writing of the results of the Tertiary Care Adjustment Payments SCHAP determination and calculation, and shall have the right to appeal the Tertiary Care Adjustment Payments SCHAP calculation or their ineligibility for Tertiary Care Adjustment Payments SCHAP payments if it is believed that a technical error has been made in the calculation by the Department. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its qualification for Tertiary Care Adjustment Payments SCHAP and payment adjustment amounts, or a letter of notification that the hospital does not qualify for Tertiary Care Adjustment Payments SCHAP payments. Such a request must include a clear explanation of the reason for the appeal and documentation that supports the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

k) Pediatric Outpatient Adjustment Payments. The Department shall make Pediatric Outpatient Adjustment payments in accordance with Section 148.297. Hospitals shall be notified in writing of the results of the

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determination and calculation, and shall have the right to appeal the calculation or their ineligibility for payments under Section 148.297 if it is believed that a technical error has been made in the calculation by the Department. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its qualification under Section 148.297 and payment adjustment amounts, or a letter of notification that the hospital does not qualify for such payments. Such a request must include a clear explanation of the reason for the appeal and documentation that supports the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

1) ~~Pediatric Inpatient Adjustment Payments.~~ The Department shall make Pediatric Inpatient Adjustment payments in accordance with Section 148.298. Hospitals shall be notified in writing of the results of the determination and calculation, and shall have the right to appeal the calculation or their ineligibility for payments under Section 148.298 if it is believed that a technical error has been made in the calculation by the Department. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its qualification under Section 148.298 and payment adjustment amounts, or a letter of notification that the hospital does not qualify for such payments. Such a request must include a clear explanation of the reason for the appeal and documentation that supports the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.

i) ~~A one-time fiscal year 2000 payment--The Department shall make a one-time fiscal year 2000 payment to hospitals based upon the services as specified at Section 148.140(b)(4). Hospitals shall be notified in writing of the results of the determination and calculation, and shall have the right to appeal the calculation or their ineligibility for payments under Section 148.140(b)(4) if it is believed that a technical error has been made in the calculation. The appeal must be submitted in writing to the Department and must be received or post marked within 30 days after the date of the Department's notice to the hospital of its qualification under Section 148.140 and payment adjustment amounts, or a letter of notification that the hospital does not qualify for such payments. Such a request must include a clear explanation of the reason for the appeal and documentation that supports the desired correction. The Department shall notify the hospital of the results of the review within 30 days after receipt of the hospital's request for review.~~

m) For purposes of this Section, the term "postmarked" means the date of processing by the United States Post Office or any independent carrier service.



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n) The review procedures provided for in this Section may not be used to submit any new or corrected information that was required to be submitted by a specific date in order to qualify for a payment or payment adjustment. In addition, only information that was submitted expressly for the purpose of qualifying for the payment or payment adjustment under review shall be considered by the Department. Information that has been submitted to the Department for other purposes will not be considered during the review process.

(Source: Amended at 25 Ill. Reg. 10513, effective 10/1/2001)

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- 1) Heading of the Part: Medical Assistance Programs
- 2) Code Citation: 89 Ill. Adm. Code 120
- 3) Section Numbers: Emergency Action:  
120.500 New Section
- 4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/12-13], Public Law 106-354, Public Act 92-47 and Public Act 92-10
- 5) Effective Date: August 1, 2001
- 6) If this emergency amendment is to expire before the end of the 150-day period, please specify the date on which it is to expire: Not Applicable
- 7) Date Filed with the Index Department: August 1, 2001
- 8) A copy of the emergency amendment, including any materials incorporated by reference, is on file in the agency's principal office and is available for public inspection.
- 9) Reason for Emergency: These emergency amendments are being filed pursuant to the federal Breast and Cervical Cancer Prevention and Treatment Act of 2000 (Public Law 106-354), Public Act 92-47 and the State's fiscal year 2002 budget plan as enacted by the Legislature. The amendments add coverage under the Department's Medical Assistance Program for certain persons who are identified through the Health Benefits for Persons with Breast or Cervical Cancer Program as being in need of treatment. Such persons will be eligible for the full range of medical assistance services during the period when treatment related to breast or cervical cancer is needed. Emergency rulemaking is specifically authorized for the implementation of this new health benefit program by Section 5-45 of Public Act 92-10.

- 10) Complete Description of the Subjects and Issues Involved: These emergency amendments add provisions to the Department's administrative rules to establish the Health Benefits for Persons with Breast or Cervical Cancer Program. This new program will provide coverage to eligible persons under the Department's Medical Assistance Program.

The Health Benefits for Persons with Breast or Cervical Cancer Program will be implemented pursuant to the federal Breast and Cervical Cancer Prevention and Treatment Act of 2000 (Public Law 106-354) and Public Act 92-47. Applications will be initiated for persons found to have breast or cervical cancer, or a precancerous condition, through screening under the National Breast and Cervical Cancer Early Detection program administered by the Department of Public Health (DPH). DPH will provide a written certification to the Department that the treating physician has found the

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person needs treatment for breast or cervical cancer including recurrent metastatic cancer, complications related to such cancer or certain precancerous conditions. Eligible persons shall be covered for the full range of any necessary services under the Medical Assistance Program until he or she no longer meets the requirements specified under Section 120.500, Health Benefits for Persons with Breast or Cervical Cancer.

The Department expects the first year expenditure for this new program will be approximately \$2 million. The Department also anticipates that after full implementation, these program costs may increase to as much as \$10 million annually. However, federal financial participation (matching funds) is available for these services at a rate of 65 percent.

- 11) Are there any other amendments pending on this Part: No
- 12) Statement of Statewide Policy Objectives: These emergency amendments neither create nor expand any state mandates affecting units of local government.
- 13) Information and questions regarding this amendment shall be directed to:

Joanne Jones  
Office of the General Counsel, Rules Section  
Illinois Department of Public Aid  
201 South Grand Avenue East, Third Floor  
Springfield, Illinois 62763-0002  
(217) 524-0081

The full text of the emergency amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES  
CHAPTER I: DEPARTMENT OF PUBLIC AID  
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 120  
MEDICAL ASSISTANCE PROGRAMS

SUBPART A: GENERAL PROVISIONS

Section  
120.1 Incorporation By Reference

SUBPART B: ASSISTANCE STANDARDS

Section  
120.10 Eligibility For Medical Assistance  
120.11 MANG(P) Eligibility  
120.12 Healthy Start - Medicaid Presumptive Eligibility Program For Pregnant Women  
120.20 MANG(AABD) Income Standard  
120.30 MANG(C) Income Standard  
120.31 MANG(P) Income Standard  
120.40 Exceptions To Use Of MANG Income Standard  
120.50 AMI Income Standard (Repealed)

SUBPART C: FINANCIAL ELIGIBILITY DETERMINATION

Section  
120.60 Cases Other Than Long Term Care, Pregnant Women and Certain Children  
120.61 Cases in Intermediate Care, Skilled Nursing Care and DMHDD - MANG(AABD) and All Other Licensed Medical Facilities  
120.62 Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings Under 89 Ill. Adm. Code 140.643  
120.63 Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings  
120.64 MANG(P) Cases  
120.65 Department of Mental Health and Developmental Disabilities (DMHDD) Licensed Community - Integrated Living Arrangements

SUBPART D: SUPPLEMENTARY MEDICAL INSURANCE

Section  
120.70 Supplementary Medical Insurance Benefits (SMIB) Buy-In Program  
120.72 Eligibility for Medicare Cost Sharing as a Qualified Medicare Beneficiary (QMB)  
120.73 Eligibility for Medicaid Payment of Medicare Part B Premiums as a Specified Low-Income Medicare Beneficiary (SLIB)

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120.74 Qualified Medicare Beneficiary (QMB) Income Standard  
 120.75 Specified Low-Income Medicare Beneficiary (SLIB) Income Standards  
 120.76 Hospital Insurance Benefits (HIB)

## SUBPART E: RECIPIENT RESTRICTION PROGRAM

Section  
 120.80 Recipient Restriction Program

## SUBPART F: MIGRANT MEDICAL PROGRAM

Section  
 120.90 Migrant Medical Program (Repealed)  
 120.91 Income Standards (Repealed)

## SUBPART G: AID TO THE MEDICALLY INDIGENT

Section  
 120.200 Elimination of Aid to the Medically Indigent

120.208 Client Cooperation (Repealed)  
 120.210 Citizenship (Repealed)  
 120.211 Residence (Repealed)  
 120.212 Age (Repealed)  
 120.215 Relationship (Repealed)  
 120.216 Living Arrangement (Repealed)  
 120.217 Supplemental Payments (Repealed)  
 120.218 Institutional Status (Repealed)  
 120.224 Foster Care Program (Repealed)  
 120.225 Social Security Numbers (Repealed)  
 120.230 Unearned Income (Repealed)  
 120.235 Exempt Unearned Income (Repealed)  
 120.236 Education Benefits (Repealed)  
 120.240 Unearned Income In-Kind (Repealed)  
 120.245 Earmarked Income (Repealed)  
 120.250 Lump Sum Payments and Income Tax Refunds (Repealed)  
 120.255 Protected Income (Repealed)  
 120.260 Earned Income (Repealed)  
 120.261 Budgeting Earned Income (Repealed)  
 120.262 Exempt Earned Income (Repealed)  
 120.270 Recognized Employment Expenses (Repealed)  
 120.271 Income From Work/Study/Training Program (Repealed)  
 120.272 Earned Income From Self-Employment (Repealed)  
 120.273 Earned Income From Roomer and Boarder (Repealed)  
 120.275 Earned Income In-Kind (Repealed)  
 120.276 Payments from the Illinois Department of Children and Family Services (Repealed)  
 120.280 Assets (Repealed)  
 120.281 Exempt Assets (Repealed)

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120.282 Asset Disregards (Repealed)  
 120.283 Deferral of Consideration of Assets (Repealed)  
 120.284 Spend-down of Assets (AMI) (Repealed)  
 120.285 Property Transfers (Repealed)  
 120.290 Persons Who May Be Included in the Assistance Unit (Repealed)  
 120.295 Payment Levels for AMI (Repealed)

## SUBPART H: MEDICAL ASSISTANCE - NO GRANT

Section  
 120.308 Client Cooperation  
 120.309 Caretaker Relative  
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 120.312 Age  
 120.313 Blind  
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 120.315 Relationship  
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 120.319 Assignment of Rights to Medical Support and Collection of Payment  
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 120.322 Proof of Good Cause for Failure to Cooperate in Establishing Paternity and Obtaining Medical Support  
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 120.338 Incentive Allowance  
 120.340 Unearned Income In-Kind  
 120.342 Court Ordered Child Support Payments of Parent/Step-Parent  
 120.345 Earmarked Income  
 120.346 Medicaid Qualifying Trusts  
 120.347 Treatment of Trusts  
 120.350 Lump Sum Payments and Income Tax Refunds  
 120.355 Protected Income  
 120.360 Earned Income  
 120.361 Budgeting Earned Income  
 120.362 Exempt Earned Income



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120.363 Earned Income Disregard - MANG(C)  
 120.364 Earned Income Exemption  
 120.366 Exclusion From Earned Income Exemption  
 120.370 Recognized Employment Expenses  
 120.371 Income From Work/Study/Training Programs  
 120.372 Earned Income From Self-Employment  
 120.373 Earned Income From Roomer and Boarder  
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 120.376 Payments from the Illinois Department of Children and Family Services  
 120.379 Provisions for the Prevention of Spousal Impoverishment  
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 120.382 Asset Disregard  
 120.383 Deferral of Consideration of Assets  
 120.384 Spend-down of Assets (AABD MANG)  
 120.385 Property Transfers for Applications Filed Prior to October 1, 1989 (Repealed)  
 120.386 Property Transfers Occurring On or Before August 10, 1993  
 120.387 Property Transfers Occurring On or After August 11, 1993  
 120.390 Persons Who May Be Included In the Assistance Unit  
 120.391 Individuals Under Age 18 Who Do Not Qualify For AFDC/AFDC-MANG and Children Born October 1, 1983, or Later  
 120.392 Pregnant Women Who Would Not Be Eligible For AFDC/AFDC-MANG If The Child Were Already Born Or Who Do Not Qualify As Mandatory Categorically Needy  
 120.393 Pregnant Women and Children Under Age Eight Years Who Do Not Qualify As Mandatory Categorically Needy Demonstration Project  
 120.395 Payment Levels for MANG (Repealed)  
 120.399 Redetermination of Eligibility  
 120.400 Twelve Month Eligibility for Persons under Age 19

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Section  
 120.500 Health Benefits for Persons with Breast or Cervical Cancer

## EMERGENCY

TABLE A Value of a Life Estate and Remainder Interest  
 TABLE B Life Expectancy

AUTHORITY: Implementing Articles III, IV, V and VI and authorized by Section 12-13 of the Illinois Public Aid Code [305 ILCS 5/Arts. III, IV, V and VI and 12-13].

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2

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Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amended at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979; peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041, effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982; amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; amended at 7 Ill. Reg. 394, effective January 1, 1983; codified at 7 Ill. Reg. 6082; amended at 7 Ill. Reg. 8256, effective July 1, 1983; amended at 7 Ill. Reg. 8264, effective July 5, 1983;

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effective November 17, 1989; amended at 14 Ill. Reg. 760, effective January 1, 1990; emergency amendment at 14 Ill. Reg. 1494, effective January 2, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 4233, effective March 5, 1990; emergency amendment at 14 Ill. Reg. 5839, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 6372, effective April 16, 1990; amended at 14 Ill. Reg. 7637, effective May 10, 1990; amended at 14 Ill. Reg. 10396, effective June 20, 1990; amended at 14 Ill. Reg. 13227, effective August 6, 1990; amended at 14 Ill. Reg. 14814, effective September 3, 1990; amended at 14 Ill. Reg. 17004, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 348, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 5302, effective April 1, 1991; amended at 15 Ill. Reg. 10101, effective June 24, 1991; amended at 15 Ill. Reg. 11973, effective August 12, 1991; amended at 15 Ill. Reg. 12747, effective August 16, 1991; amended at 15 Ill. Reg. 14105, effective September 11, 1991; amended at 15 Ill. Reg. 14240, effective September 23, 1991; amended at 16 Ill. Reg. 139, effective December 24, 1991; amended at 16 Ill. Reg. 1862, effective January 20, 1992; amended at 16 Ill. Reg. 10034, effective June 15, 1992; amended at 16 Ill. Reg. 11582, effective July 15, 1992; amended at 16 Ill. Reg. 17290, effective November 3, 1992; amended at 17 Ill. Reg. 1102, effective January 15, 1993; amended at 17 Ill. Reg. 6827, effective April 21, 1993; amended at 17 Ill. Reg. 10402, effective June 28, 1993; amended at 18 Ill. Reg. 2051, effective January 21, 1994; amended at 18 Ill. Reg. 5934, effective April 1, 1994; amended at 18 Ill. Reg. 8718, effective June 1, 1994; amended at 18 Ill. Reg. 11231, effective July 1, 1994; amended at 19 Ill. Reg. 2905, effective February 27, 1995; emergency amendment at 19 Ill. Reg. 9280, effective July 1, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 11931, effective August 11, 1995; amended at 19 Ill. Reg. 15079, effective October 17, 1995; amended at 20 Ill. Reg. 5068, effective March 20, 1996; amended at 20 Ill. Reg. 15993, effective December 9, 1996; emergency amendment at 21 Ill. Reg. 692, effective January 1, 1997, for a maximum of 150 days; amended at 21 Ill. Reg. 7423, effective May 31, 1997; amended at 21 Ill. Reg. 7748, effective June 9, 1997; amended at 21 Ill. Reg. 11555, effective August 1, 1997; amended at 21 Ill. Reg. 13638, effective October 1, 1997; emergency amendment at 22 Ill. Reg. 1576, effective January 5, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 7003, effective April 1, 1998; amended at 22 Ill. Reg. 8503, effective May 1, 1998; amended at 22 Ill. Reg. 16291, effective August 28, 1998; emergency amendment at 22 Ill. Reg. 16640, effective September 1, 1998, for a maximum of 150 days; amended at 22 Ill. Reg. 19875, effective October 30, 1998; amended at 23 Ill. Reg. 2381, effective January 22, 1999; amended at 23 Ill. Reg. 11301, effective August 27, 1999; amended at 24 Ill. Reg. 7361, effective May 1, 2000; emergency amendment at 24 Ill. Reg. 10425, effective July 1, 2000, for a maximum of 150 days; amended at 24 Ill. Reg. 15075, effective October 1, 2000; amended at 24 Ill. Reg. 18309, effective December 1, 2000; amended at 25 Ill. Reg. 8783, effective July 1, 2001; emergency amendment at 25 Ill. Reg. 10533, effective August 1, 2001, for a maximum of 150 days.

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## NOTICE OF EMERGENCY AMENDMENTS

amended (by adding Section being codified with no substantive change) at 7 Ill. Reg. 14747; amended (by adding Sections being codified with no substantive change) at 7 Ill. Reg. 16108; amended at 8 Ill. Reg. 5253, effective April 9, 1984; amended at 8 Ill. Reg. 6770, effective April 27, 1984; amended at 8 Ill. Reg. 13328, effective July 16, 1984; amended (by adding Sections being codified with no substantive change) at 8 Ill. Reg. 17897; amended at 8 Ill. Reg. 18903, effective September 26, 1984; peremptory amendment at 8 Ill. Reg. 20706, effective October 3, 1984; amended at 8 Ill. Reg. 25053, effective December 12, 1984; emergency amendment at 9 Ill. Reg. 830, effective January 3, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 4515, effective March 25, 1985; amended at 9 Ill. Reg. 5346, effective April 11, 1985; amended at 9 Ill. Reg. 7153, effective May 6, 1985; amended at 9 Ill. Reg. 11346, effective July 8, 1985; amended at 9 Ill. Reg. 12298, effective July 25, 1985; amended at 9 Ill. Reg. 12823, effective August 9, 1985; amended at 9 Ill. Reg. 15903, effective October 4, 1985; amended at 9 Ill. Reg. 16300, effective October 10, 1985; amended at 9 Ill. Reg. 16906, effective October 18, 1985; amended at 10 Ill. Reg. 1192, effective January 10, 1986; amended at 10 Ill. Reg. 3033, effective January 23, 1986; amended at 10 Ill. Reg. 4907, effective March 7, 1986; amended at 10 Ill. Reg. 6966, effective April 16, 1986; amended at 10 Ill. Reg. 10688, effective June 3, 1986; amended at 10 Ill. Reg. 12672, effective July 14, 1986; amended at 10 Ill. Reg. 15649, effective September 19, 1986; amended at 11 Ill. Reg. 3992, effective February 23, 1987; amended at 11 Ill. Reg. 7652, effective April 15, 1987; amended at 11 Ill. Reg. 8735, effective April 20, 1987; emergency amendment at 11 Ill. Reg. 12458, effective July 10, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 14034, effective August 14, 1987; amended at 11 Ill. Reg. 14763, effective August 26, 1987; amended at 11 Ill. Reg. 20142, effective January 1, 1988; amended at 11 Ill. Reg. 20988, effective December 14, 1987; amended at 12 Ill. Reg. 904, effective January 1, 1988; amended at 12 Ill. Reg. 3516, effective January 22, 1988; amended at 12 Ill. Reg. 6234, effective March 22, 1988; amended at 12 Ill. Reg. 8672, effective May 13, 1988; amended at 12 Ill. Reg. 9132, effective May 20, 1988; amended at 12 Ill. Reg. 11483, effective June 30, 1988; emergency amendment at 12 Ill. Reg. 11632, effective July 1, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 11839, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12835, effective July 22, 1988; emergency amendment at 12 Ill. Reg. 13243, effective July 29, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 17867, effective October 30, 1988; amended at 12 Ill. Reg. 19704, effective November 15, 1988; amended at 12 Ill. Reg. 20188, effective November 23, 1988; amended at 13 Ill. Reg. 116, effective January 1, 1989; amended at 13 Ill. Reg. 2081, effective February 3, 1989; amended at 13 Ill. Reg. 3908, effective March 10, 1989; emergency amendment at 13 Ill. Reg. 11929, effective June 27, 1989, for a maximum of 150 days; emergency expired November 25, 1989; emergency amendment at 13 Ill. Reg. 12137, effective July 1, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 15404, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16586, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 13 Ill. Reg. 17483, effective October 31, 1989; amended at 13 Ill. Reg. 17838, effective November 8, 1989; amended at 13 Ill. Reg. 18872,



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## NOTICE OF EMERGENCY AMENDMENTS

**Section 120.500 Health Benefits for Persons with Breast or Cervical Cancer**  
**EMERGENCY**

a) To be eligible for medical assistance under Health Benefits for Persons with Breast or Cervical Cancer, a person must meet the following eligibility requirements:

- 1) Cooperate in establishing eligibility as described in Section 120.308.
- 2) Meet citizenship/immigration status as described in Section 120.310.
- 3) Meet residency requirements as described in Section 120.311.
- 4) Assign rights to medical support and collection of payment as described in Section 120.319.
- 5) Furnish a Social Security number as described in Section 120.327.
- 6) Be under the age of 65 years.
- 7) Have been screened for breast or cervical cancer under the National Breast and Cervical Cancer Early Detection Program (NBCCEDP) administered by the Illinois Department of Public Health (IDPH) as described in subsection (c) of this Section, and have been found to need treatment, as defined in subsection (d) of this Section, for breast or cervical cancer or a precancerous condition as defined in subsection (e) of this Section.
- 8) Continue to need treatment as defined in subsection (d) of this Section.
- 9) Be uninsured, that is, must not have creditable coverage, as defined under the Health Insurance Portability and Accountability Act, for breast or cervical cancer treatment.

b) A person shall not be determined eligible for Health Benefits for Persons with Breast or Cervical Cancer:

- 1) if the person is otherwise eligible for medical assistance under Section 120.11, 120.20 or 120.30 without a spenddown; or
- 2) if the person is in a correctional facility pursuant to 42 CFR 435.1008.

c) A person shall meet the screening requirement if the person's breast or cervical cancer screening was within the scope of a grant, sub-grant or contract under the NBCCEDP administered by IDPH.

d) A person shall be considered to need treatment if, as certified by IDPH or its agent, in the opinion of the person's treating physician, the person requires therapy directed toward cure or palliation of breast or cervical cancer, including recurrent metastatic cancer that is a known or presumed complication of breast or cervical cancer and complications resulting from the treatment modalities themselves. Treatment includes diagnostic services that may be necessary to determine the extent and proper course of treatment. Persons who require only routine monitoring services (for example, pap smears or mammograms) are not considered to need treatment.

e) For the purposes of this Section, a precancerous condition means:

- 1) Cervical intraepithelial neoplasia, grade III (CIN III);

## DEPARTMENT OF PUBLIC AID

## NOTICE OF EMERGENCY AMENDMENTS

- 2) Severe dysplasia of the cervix;
- 3) High-grade squamous intraepithelial lesion (HSIL); or
- 4) Atypical glandular cells of undetermined significance (AGUS) with a suspicion of adenocarcinoma in situ.

f) All income and assets shall be exempt from consideration in determining eligibility under this Section.

g) A person's eligibility for medical assistance under this Section shall be terminated when the person no longer meets the requirements of this Section.

h) Application Process

- 1) The process of applying for medical assistance shall be initiated by the submission to the Department, by an entity designated by IDPH, of a statement certifying that a person meets the condition of eligibility described in subsection (a)(7) of this Section.
- 2) The Department shall contact the person by telephone, mail or other appropriate means to complete an application.
- 3) The application date shall be the date a signed application is received in the Department's central breast and cervical cancer eligibility unit.
- 4) Application may be made by additional methods that the Department establishes.
- 5) Applications shall meet all requirements found at 89 Ill. Adm. Code 110.10(a), (c), (e) and (i).

i) Authorization of Medical Assistance Eligibility

- 1) Eligibility will be effective no earlier than the third month before the month of application if the applicant received medical services during that period and would have been eligible if he or she had applied. In no case shall eligibility be effective prior to July 1, 2001.
- 2) The applicant may choose to receive medical assistance for any of the three months prior to the month of application.
- 3) Eligibility can begin no earlier than the month in which the applicant was screened as described in subsection (a)(7) of this Section.

j) A redetermination of eligibility shall be conducted at least annually.

k) Persons enrolled in Health Benefits for Persons with Breast or Cervical Cancer shall be exempt from Sections 102.210 and 102.230.

l) Persons enrolled in Health Benefits for Persons with Breast or Cervical Cancer who enter a nursing facility must provide income information sufficient for the Department to calculate a group care credit, as established in Sections 120.40 and 120.60, except that assets shall not be counted. The Department will not pay for nursing facility services for any person who refuses to provide the required information.

(Source: Amended by emergency rulemaking at 25 Ill. Reg. 10533, effective August 1, 2001, for a maximum of 150 days)



## OFFICE OF BANKS AND REAL ESTATE

## NOTICE OF PUBLIC INFORMATION

NOTICE OF EMERGENCY SUSPENSION UNDER  
THE RESIDENTIAL MORTGAGE LICENSE ACT OF 1987

Pursuant to Section 4-5(C) of the Residential Mortgage License Act of 1987 ("the Act"), 205 ILCS 635/4-5(C) (2000), notice is hereby given that the Commissioner of the Office of Banks and Real Estate of the State of Illinois has suspended for 180 days the license of Capital Express Group, Inc., of Chicago, Illinois, License No. 5205, a licensee under the Act, for violating the terms of the Act and the rules and regulations adopted thereunder, effective August 3, 2001.

JOINT COMMITTEE ON ADMINISTRATIVE RULES  
ILLINOIS GENERAL ASSEMBLY

## NOTICE OF PUBLICATION ERROR

## DEPARTMENT OF STATE POLICE

Heading of the Part: Emission Inspection Training and Certification

Code Citation: 20 Ill. Adm. Code 1293

Section Numbers: 1293.10

1293.20

1293.30

Date Emergency Rule Published in the Illinois Register: March 16, 2001, 25 Ill. Reg. 4045

Date Emergency Rule Repealer Published in the Illinois Register: July 20, 2001, 25 Ill. Reg. 9332

The emergency rulemaking cited above established administrative rules for the training and certification of persons who conduct diesel emission inspections and became effective 3/1/01 for a maximum of 150 days. It was followed by the adoption of a permanent rulemaking, effective 7/6/01, in the 7/20/01 *Illinois Register* at 25 Ill. Reg. 9332.

At its 4/17/01 meeting, the Joint Committee on Administrative Rules objected to the Department's use of emergency rulemaking to implement this program rather than using the regular process of proposing a rulemaking that allows an opportunity for public comment. This was a procedural objection that was not based upon the rule's content but rather its method of adoption. The Department agreed with the Committee's finding concerning the improper use of emergency rulemaking and proceeded to follow up with adoption of the permanent rules.

In last week's *Illinois Register* for 8/10/01, the Department's response to the Joint Committee's Objection was mistakenly published in the form of an emergency rule repealer. This was an error in that the emergency rules no longer exist. They were replaced by the permanent adopted rules, effective 7/6/01. The Joint Committee regrets any confusion this printing error may have caused.

ILLINOIS COMMERCE COMMISSION  
REQUEST FOR EXPEDITED CORRECTION

1) Heading of the Part: Requirements for Non-Business Entities with Private Business Switch Service to Comply with the Emergency Telephone System Act

2) Code Citation: 83 Ill. Adm. Code 727

3) Section Numbers:

727.100  
727.105  
727.205  
727.300  
727.305  
727.400  
727.500  
727.510

4) Date Proposal published in Illinois Register: June 23, 2000, 24 Ill. Reg. 8454

5) Date Adoption published in Illinois Register: July 27, 2001, 25 Ill. Reg. 9606

6) Summary and Purpose of Expedited Correction: The expedited correction will correct typographical errors and make other non-substantive changes in the rules such as italicizing statutory language. These will conform with the agreements made with the Joint Committee on Administrative Rules.

7) Information and questions regarding this request shall be directed to:

Conrad Rubinkowski  
Office of General Counsel  
Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, IL 62701  
217-785-3922  
Fax: 217-524-8928

ILLINOIS COMMERCE COMMISSION  
REQUEST FOR EXPEDITED CORRECTION

TITLE 83: PUBLIC UTILITIES  
CHAPTER 1: ILLINOIS COMMERCE COMMISSION  
SUBCHAPTER f: TELEPHONE UTILITIES

PART 727

REQUIREMENTS FOR NON-BUSINESSES ENTITIES WITH PRIVATE BUSINESS SWITCH SERVICE TO COMPLY WITH THE EMERGENCY TELEPHONE SYSTEM ACT

SUBPART A: GENERAL PROVISIONS

Section  
727.100  
727.105

Application of Part  
Definitions

SUBPART B: STANDARDS OF SERVICE

Section  
727.200  
727.205

General Standards and Requirements  
Non-business Entity Compliance

SUBPART C: AUTHORIZATION TO OPERATE

Section  
726.300  
727.305

Order of Authority/Application Process  
Tentative/Final Plans

SUBPART D: ENGINEERING

Section  
727.400

Private Emergency Answering Point

SUBPART E: OPERATIONS

Section  
727.500  
727.505  
727.510

System Review and Reporting  
Written Operating Procedures  
Call Handling Procedures

AUTHORITY: Implementing and authorized by Section 15.6 of the Emergency Telephone System Act [50 ILCS 750/15.6].

SOURCE: Emergency rules adopted at 24 Ill. Reg. 8635, effective June 13, 2000, for a maximum of 150 days; emergency rule suspended at 24 Ill. Reg. 8650, effective June 13, 2000; emergency expired May 7, 2001; adopted at 25 Ill. Reg. 9606, effective July 15, 2001; expedited correction at 25 Ill. Reg. \_\_\_\_\_, effective July 27, 2001.

## ILLINOIS COMMERCE COMMISSION

## REQUEST FOR EXPEDITED CORRECTION

## SUBPART A: GENERAL PROVISIONS

**Section 727.100 Application of Part**

This Part shall apply to any private business switch operator that is also a non-business entity in the State of Illinois, except to the extent of any exemptions conferred by Section 15.6(a) and (b) of the Emergency Telephone System Act [50 ILCS 750/15.6(a) and (b)]. Also see Section 727.205200(b) of this Part.

**Section 727.105 Definitions**

"Automatic Location Identification" or "ALi" - A feature or function that transmits the 9-1-1 caller's address and, where required, the Distinct Location Identification information to the public safety answering point (PSAP) in an Enhanced 9-1-1 system.

"Automatic Number Identification" or "ANI" - Automatic display of the 9-1-1 calling party's telephone number on the PSAP monitor.

"Call referral" - A 9-1-1 service in which the Private Emergency Answering Point (PEAP) operator provides the calling party with the telephone number of the appropriate public safety agency or other providers of emergency services.

"Call relay" - A 9-1-1 service whereby the PEAP operator takes the pertinent information from the caller and relays that information to the appropriate public safety agency or other emergency responders.

"Call transfer" - A 9-1-1 service in which the PEAP operator PSAP telecommunicator receiving a call will transfer the incoming call to the appropriate public safety agency or other emergency responders.

"Centrex-type service" - A telecommunications system that is central office based and has feature characteristics similar to a private branch exchange (PBX). The switching of calls, both intercom and local/long distance, is performed at the local exchange carrier's facilities.

"Commission" - The Illinois Commerce Commission.

"Direct dispatch" - A 9-1-1 service that provides for the direct dispatch by a PEAP operator of the appropriate public safety agency or other emergency responders upon receipt of a telephone request for such services and the decision as to the proper action to be taken.

"Direct inward dialing" or "DIP" - The ability for an outside caller to be connected to an internal telephone extension without

## ILLINOIS COMMERCE COMMISSION

## REQUEST FOR EXPEDITED CORRECTION

intervention by an operator or attendant.

"Distinct Location Identification" or "DLI" - An additional location identification that provides specific identification of a building, complex or campus. A DLI could include a floor number, wing name/number and building name/number for every 40,000 square feet of workspace.

"Emergency call" - A telephone request for emergency services which requires immediate action to prevent loss of life, reduce bodily injury, and/or prevent or reduce loss of property.

"Emergency responders" - Other providers of emergency services in addition to public safety agencies and private companies. These responders typically provide security protection, fire protection and medical assistance within a particular non-business entity that handles its internal 9-1-1 calls.

"Enhanced 9-1-1" or "E9-1-1" - An emergency telephone system with specific electronically controlled features such as ALI, ANI, or selective routing, and that uses a Master Street Address Guide (MSAG) geographic file.

"Location identification" - The street address of the workspace.

"Master Street Address Guide" or "MSAG" - The computerized geographical file consisting of all streets and address data within the 9-1-1 system area. This database is the key to the selective routing capability of 9-1-1 systems. The database matches an originating caller to a specific answering point based on the address data. The MSAG may require updating after the initial file is established.

"Non-business entity" means any entity not a business, as "business" is defined in 83 Ill. Adm. Code 726.105. "Non-business entity" as defined herein shall include, but not necessarily be limited to, any municipality or unit of local government as defined in Article 7, Section 1 of the Illinois Constitution of 1970; any entity that is also a school operated by authority of the School Code [105 ILCS 5]; or any entity that is a not for profit organization that qualifies for tax exempt status under Section 501(c)(3) or 501(c)(4) of the Internal Revenue Code of 1986 (26 USC Sec. 501).

"Private business switch service" - A telecommunications service such as Centrex type service or telecommunications equipment such as a private branch exchange service (PBX) system. The term "private business switch service" does not include key telephone systems or equivalent telephone systems registered with the Federal



## ILLINOIS COMMERCE COMMISSION

## REQUEST FOR EXPEDITED CORRECTION

Communications Commission under 47 CFR E-P-R-Part 68 when not used in conjunction with Centrex type and PBX systems. In instances where Centrex type service is used in conjunction with key telephone systems not emulating PBX functionality, the responsibility for passing ANI and ALI rests with the carrier providing the Centrex. Private business switch services are typically used by, but are not limited to, private businesses, corporations, not for profit organizations, schools, governmental units and industries where the telecommunications service is primarily for conducting business.

"Private Emergency Answering Point" or "PEAP" - A place within a non-business entity where the operators answer and dispatch 9-1-1 calls from within the its facility. A non-business entity must obtain certification to handle internal 9-1-1 calls from its internal switch.

"Public agency" - The State and any unit of local government or special purpose district located in whole or in part within this State that provides or has authority to provide fire fighting, police, ambulance, medical, or other emergency services. [50 ILCS 750/2.01] The State and any unit of local government or special purpose district located in whole or in part within this State that provides or has authority to provide fire fighting, police, ambulance, medical, or other emergency services.

"Public area" - An area within a building where the general public and/or the non-business entity patrons have access on a regular basis. Such areas would include, but not be limited to, reception areas, corridors, lobbies, and waiting rooms.

"Public safety agency" - A functional division of a public agency that provides firefighting, police, medical, or other emergency services. A functional division of a public agency that provides firefighting, police, medical, or other emergency services. [50 ILCS 750/2.02]

"Public safety answering point" or "PSAP" - The PSAP is the initial answering location of a 9-1-1 call within a municipality or county. The PSAP is also known as a "Center."

"Text telephone" or "TTY" - A teletypewriter, a device that employs graphic or Braille communication in the transmission of coded signals through a wire or radio communication system.

"Workspace" - The physical building area where work is normally performed. This is a net square footage measurement which includes hallways, conference rooms, restrooms, break rooms, and/or storage rooms but does not include wall thickness, shafts, heating/ventilating/air conditioning equipment spaces, mechanical/electrical spaces or other similar areas where employees do

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not normally have access.

(Source: Expedited correction at 25 Ill. Reg. **10546-**, effective July 27, 2001)

SUBPART B: STANDARDS OF SERVICE

## Section 727.205 Non-business Entity Compliance

a) After June 30, 2000, or within 18 months after Enhanced 9-1-1 is made available, any entity that installs or operates a private business switch service and provides telecommunications facilities or services to non-business entities shall assure that such a system in the non-business entity is connected to the public switched network in a manner so that calls to 9-1-1 result in automatic number identification ("ANI") and automatic location identification (ALI). [50 ILCS 750/15.6(a)]

1) ANI shall be provided based on the following criteria, which are minimum standards:

A) For buildings having their own street address and containing workspace of 40,000 square feet or less, one ANI shall be transmitted to the 9-1-1 system; For buildings having their own street address and containing workspace of 40,000 square feet or less, one ANI shall be transmitted to the 9-1-1 system.

B) For buildings having their own street address and containing workspace of more than 40,000 square feet, one ANI per 40,000 square feet of workspace shall be transmitted to the 9-1-1 system; For buildings having their own street address and containing workspace of more than 40,000 square feet, one ANI per 40,000 square feet of workspace shall be transmitted to the 9-1-1 system.

C) For private business switch operators/owners providing service in multi-floor buildings and sharing space with other non-related businesses or public entities, a distinct ANI for each entity shall be transmitted to the appropriate 9-1-1 system per 40,000 square feet of workspace; and

D) For private business switch operators/owners providing service in multi-building locations and sharing space with other non-related businesses or public entities, a distinct ANI for each entity shall be transmitted to the appropriate 9-1-1 system.

2) The ALI information shall follow the database format defined by the National Emergency Number Association Recommended Formats for Data Exchange Version 1 or 2.1, "NENA Recommended Formats & Protocols For Data Exchange" (May 1999, published by the National Emergency Number Association, 4789 Papermill Road, Coshocton, OH 43812). This incorporation does not include any later amendments

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or editions. ALI requirements are based on the following criteria when a 9-1-1 call is placed:

- A) For buildings having their own street address and containing workspace of 40,000 square feet or less, one ALI shall be transmitted to the 9-1-1 system and will include the building's street address.
  - B) For buildings having their own street address and containing workspace of more than 40,000 square feet, location identification shall include the building's street address (ALI) and one DLI per 40,000 square feet of workspace. ALI and DLI information shall be transmitted to the 9-1-1 system. ~~ALI-and-DLI-information-shall-be-transmitted-to-the 9-1-1-system-~~ The DLI shall, as accurately as possible, specify the location from which the 9-1-1 call is being placed. For example, if the area contains multiple floors, the DLI shall specify all floor numbers included in the 40,000 square feet of workspace. The DLI must be able to identify the entire 40,000 square feet of workspace.
  - C) For private business switch operators/providers providing service in multi-floor buildings and sharing space with other non-related entities ~~users~~, a DLI for each entity ~~user~~ shall be transmitted to the appropriate 9-1-1 system.
  - D) For private business switch operators/providers providing service in multi-building locations and sharing space with other non-related entities ~~users~~, a DLI for each entity ~~user~~ shall be transmitted to the appropriate 9-1-1 system.
  - E) Separate buildings containing workspace of 40,000 square feet or less having a common public street address shall have a DLI for each building in addition to the street address. [50 ILCS 750/15.6(a)]
- 3) In cases where clarification is needed, the business switch owner/operator shall work with 9-1-1 system management and the database provider to implement a usable ~~useable~~ DLI.
- b) Exemptions to subsection (a) of this Section.
- 1) Buildings containing workspace of more than 40,000 square feet are exempt from the multiple location identification requirements in subsections Section-777-305(a)(2)(B) and ~~777-305(a)(2)(E)~~ of this Section if the building maintains, at all times, alternative and adequate means of signaling and responding to emergencies. Those means shall include, but not be limited to, a telephone system that provides the physical location of 9-1-1 calls coming from within the building.
  - A) Non-business entities that qualify for this exemption must have staff available to meet the public safety agency responding to the 9-1-1 call at the designated address. This staff must be able to direct the public safety agency to the site of the emergency.
  - B) Non-business entities that qualify for this exemption must

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not intercept the 9-1-1 call. All 9-1-1 calls under this exemption will be directly selectively routed to the appropriate 9-1-1 system.

- C) Buildings under this exemption must, however, ensure that the appropriate building street address where the call originated is being provided to the 9-1-1 system.
- D) A non-business entity seeking exemption under this subsection (b)(1) shall provide notice that it seeks such exemption to the public safety agency with jurisdiction over the physical location of the building for which exemption is sought, and to the Commission. Nothing in this subsection shall be construed to limit the Commission's authority to investigate and revoke or impose conditions upon such exemptions if it determines, after notice and hearing, that such revocation or imposition of conditions is reasonably necessary to insure the public safety.
- 2) Health care facilities are presumed to meet the requirements of subsection (b)(1) ~~subsection-777-305~~ if the facilities are staffed with medical or nursing personnel 24 hours per day and if an alternative means of providing information about the source of an emergency call exists. Buildings under this exemption must provide 9-1-1 service that provides the building's address.
- 3) Buildings containing workspace of more than 40,000 square feet or sites that contain multiple buildings sharing the same address or non-business entities that occupy multiple buildings in close proximity with different addresses that maintain, ~~or-sites-that contain-multiple-buildings-sharing-the-same-address-or non-business-entities-that-occupy-multiple-buildings-in-close proximity-with-different-addresses-that-maintain~~ at all times, alternative and adequate means of signaling and responding to emergencies, including a telephone system that provides the location of a 9-1-1 call coming from within the building, and that are serviced by their own medical, fire and security personnel, may qualify for an exemption pending Commission approval of the non-business entity's emergency phone system. Certification by the Commission is necessary prior to a non-business entity answering and dispatching its own internal 9-1-1 calls. Non-business entities that qualify for this exemption must comply with Subparts C, D, and E of this Part.
- A) A non-business entity seeking to obtain an exemption under this subsection (b)(3) must file with the Commission a petition pursuant to 83 Ill. Adm. Code 200 requesting such exemption ~~with-the-Commission~~. Such petition shall contain a showing that the non-business entity seeking exemption is in compliance with Subparts C, D, and E of this Part, and shall further make a showing that the non-business entity seeking exemption provides emergency medical response equal in quality to that provided by the public safety agency with



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jurisdiction over the physical location of the building for which exemption is sought.

- B) The Commission Staff shall review all such petitions for exemption and shall make a recommendation to the Commission that the Commission grant the exemption, grant the exemption with such conditions as are reasonably necessary to insure the public safety, or deny the exemption. The Commission shall, after notice and hearing, grant the exemption with such conditions as are reasonably necessary to insure the public safety, or deny the exemption.

- 4) *Buildings in communities that are not serviced by Enhanced 9-1-1 service are exempt.* [50 ILCS 750/15.6(b)]

(Source: Expedited correction at 25 Ill. Reg. 10546<sup>0</sup>, effective July 27, 2001)

## SUBPART C: AUTHORIZATION TO OPERATE

## Section 727.300 Order of Authority/Application Process

- a) Any non-business entity that qualifies for exemption under Section 727.205 280(c)(3) to operate a 9-1-1 answering point within its own facility must comply with Subparts C, D and E of this Part. In addition, the non-business entity shall file a petition for an order of authority to operate a Private Emergency Answering Point (PEAP), as described in its final plan pursuant to Section 727.305. The final plan shall be attached to the petition and filed with the Commission in accordance with the Commission's Rules of Practice, 83 Ill. Adm. Code 200.

- b) The original and three copies of a cover letter to the Chief Clerk, the petition, the verified statement, and the final plan must be filed with the Chief Clerk. In addition, a copy of all items must be submitted simultaneously to the 9-1-1 Program Director of the Commission.

- c) The petitioner must also notify the appropriate 9-1-1 system of its plans to answer its internal 9-1-1 calls. In addition, a copy of the petitioner's application must be provided to 9-1-1 system management.

- d) The Commission shall have the authority to audit 9-1-1 systems to verify compliance with the Act and this Part.

- e) Modification to an approved application or system should be submitted to the Commission in writing no later than 10 days after the change.

(Source: Expedited correction at 25 Ill. Reg. 10546<sup>0</sup>, effective July 27, 2001)

## Section 727.305 Tentative/Final Plans

- a) Each non-business entity shall submit a tentative plan (draft) with

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Commission Staff for review, prior to filing its final plan with the Chief Clerk. Staff has 90 days to review and provide written comments back to the applicant.

- b) Tentative and final plans shall consist of a narrative which provides an explanation of the proposed system's operation and a completed application to Illinois Commerce Commission for the provision of 9-1-1 service, consisting of the following exhibits:

- 1) Exhibit 1: A thorough explanation regarding the make-up of the facility's security, fire and medical departments. Explain what these emergency responders' responsibilities are and how they are better able to respond to an incident internally than an outside agency. In addition, this exhibit shall indicate how each emergency responder will be dispatched within the facility.
- 2) Exhibit 2: Call handling agreements with the internal emergency responders, including, but not limited to, the internal security services, internal fire services, and internal medical services. These agreements shall include a commitment from the parties that appropriate actions shall be taken in response to emergency calls and subsequent dispatches and that top priority shall be given to such emergency calls by the parties.
- 3) Exhibit 3: Call handling agreements with the existing Enhanced 9-1-1 system for additional back-up police, fire and medical assistance pursuant to Section 727.510(c).
- 4) Exhibit 4: Back-up PEAP agreement pursuant to Section 727.400(d).
- 5) Exhibit 5: Standard Operating Procedures and Disaster Procedures specified in Section 727.505.
- 6) Exhibit 6: Network Diagram - a chart showing the trunking configuration from the applicant's switch to the back-up PEAP pursuant to Section 727.400.

(Source: Expedited correction at 25 Ill. Reg. 10546<sup>0</sup>, effective July 27, 2001)

## SUBPART D: ENGINEERING

## Section 727.400 Private Emergency Answering Point

A non-business entity that has been certified by the Commission to operate a PEAP and to handle its internal emergency calls must meet the following minimum standards:

- a) The non-business entity applying to be a PEAP may have as its primary emergency telephone number a dialing code other than 9-1-1. At such time that its current telephone switching system is replaced, the non-business entity shall program its ~~their~~ system to respond to 9-1-1 in addition to its current dialing code.
- b) The PEAP shall be operational 24 hours a day, 7 days a week, except in cases where the entity is closed or shut down and no employees are or



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c) could be present in any part of the facility.  
Each PEAP shall have an operational ~~TT~~ if the business employs hearing or speech impaired persons or if there is a public area in the building where the public has access to a telephone to dial 9-1-1 or other emergency code.

d) There must be at least one backup location remote from the primary answering point that will be promptly staffed by trained personnel should the primary location experience equipment failure or become unstaffed due to fire or other emergency. Instead of an on-site remote backup location, a written agreement may be established with the existing 9-1-1 system to be the remote backup/overflow answering point. The phone switch must be configured to automatically transfer calls to the remote answering point if a call to the primary answering point goes unanswered or if the primary answering point has to be evacuated.

e) Personnel answering the emergency phone must be trained on how to respond to emergency callers and how to summon appropriate inside and outside assistance for an emergency situation. Eight hours minimum training is required based on competency and experience.

f) The PEAP shall be equipped with an emergency back-up power source capable of supplying electrical power to serve the basic power requirements of the PEAP for a minimum of 4 hours.

g) Critical areas of the PEAP must have adequate physical security to prevent the intentional disruption of service. In the absence of a high level of security, either of the following options may be substituted to ensure the answering and dispatch of the emergency call:

1) A secondary back-up location remotely located from the primary answering point which is staffed 24 hours a day with trained personnel; or

2) An alternative method of communication available which will transmit an emergency request and result in the dispatch of emergency services.

h) Access to phone switch equipment will be restricted to those who have need to service the equipment.

i) No emergency calls shall be placed on hold.

j) 90% of all emergency calls must be answered within 10 seconds.

k) Emergency calls shall be identified by the telecommunications equipment in such a manner that indicates that the call is an emergency so the operator can give priority to the call. Where possible, the telephone switching systems shall provide top priority to all emergency calls if a blocking condition occurs in the phone system.

(Source: Expedited correction at 25 Ill. Reg. 10546-, effective July 27, 2001)

SUBPART E: OPERATIONS

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## Section 727.500 System Review and Reporting

Each non-business entity certified by the Commission to handle its internal 9-1-1 calls shall provide an annual update to the ICC 9-1-1 Emergency Telephone Section by January 1 of each year. The non-business entity shall provide the following information:

- a) The non-business entity's name and street address;
- b) The name and telephone number of a contact person;
- c) The recertification of all agreements.

(Source: Expedited correction at 25 Ill. Reg. 10546-, effective July 27, 2001)

## Section 727.510 Call Handling Procedures

a) Each non-business entity shall enter into call handling agreements with its internal emergency responders for police, fire and medical assistance. Thus, the agreements must specify the method of dispatch that will be used in contacting these responders.

b) Each non-business entity shall enter into call handling agreements with the 9-1-1 system for fire, police and medical assistance in case additional assistance is needed beyond what the facility itself can provide. Thus, there must also be a method available for the non-business entity to request additional assistance from the existing 9-1-1 system to provide back-up services in the event that an incident occurs which would require additional emergency resources.

c) Each non-business entity shall specify in the application to the Commission how calls will be dispatched to emergency responders within its facility. In addition, the non-business entity shall provide details concerning how additional public safety agencies or other providers of emergency services outside of the non-business entity will be dispatched in the event that additional assistance is needed. In addition, copies of these agreements must be included with the application to the Commission.

d) Each non-business entity may choose from the following methods of dispatch:

- 1) Direct Dispatch;
- 2) Call Relay;
- 3) Call Referral; or
- 4) Call Transfer.

e) Each non-business entity shall ensure that the disposition of each 9-1-1 emergency call is handled according to the agreements it has entered into with its emergency responding agencies within its facility.

f) Each non-business entity shall ensure that the disposition of each 9-1-1 emergency call is handled according to the agreements it has entered into with the 9-1-1 system or other public safety agencies.

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(Source: Expedited correction at 25 Ill. Reg. 10546, effective July 27, 2001)

JOINT COMMITTEE ON ADMINISTRATIVE RULES  
ILLINOIS GENERAL ASSEMBLY

## SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of July 31, 2001 through August 6, 2001 and have been scheduled for review by the Committee at its September 11, 2001 meeting in Chicago. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rulemaking should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Bldg., Springfield IL 62706.

Second Notice <u>Expires</u>	Agency and Rule	Start Of First <u>Notice</u>	JCAR <u>Meeting</u>
9/12/01	Illinois Commerce Commission, Fees and Taxes (92 Ill Adm Code 1205)	5/18/01 25 Ill Reg 6430	9/11/01
9/15/01	Department of Lottery, Lottery (General ) (11 Ill Adm Code 1770)	6/15/01 25 Ill Reg 7435	9/11/01



## PROCLAMATIONS

2001-421

## FAMILY DAY

WHEREAS, communication among family members is an important component in preventing substance abuse and addiction; and

WHEREAS, research conducted by the National Center on Addiction and Substance Abuse at Columbia University has demonstrated a correlation between the frequency that children eat dinner with their parents and the likelihood they are to smoke, use illegal drugs, or abuse alcohol; and

WHEREAS, reserving time to be spent each day as a family has shown to discourage illegal substance and alcohol abuse by more than 30 percent of adolescents; and

WHEREAS, teens from families who do not regularly eat dinner together are 70 percent more likely to engage in such behavior;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 24, 2001, as FAMILY DAY in Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

2001-422

## ILLINOIS CHIROPRACTIC SOCIETY DAY

WHEREAS, the Governor of Illinois is pleased to recognize milestone events in the history of organizations in the State of Illinois; and

WHEREAS, the Illinois Chiropractic Society is celebrating its 75th anniversary this year; and

WHEREAS, the Illinois Chiropractic Society has been an ever present organization representing chiropractic physicians throughout the State; and

WHEREAS, since its incorporation on September 20, 1926, the Illinois Chiropractic Society has been an outspoken proponent of the science of chiropractic and the physicians who practice this health care delivery system; and

WHEREAS, under the Illinois Chiropractic Society's legislative and educational leadership, chiropractic has contributed greatly to the better health care of our State's citizens; and

WHEREAS, the Illinois Chiropractic Society has celebrated 75 years of progressive advocacy for both its member physicians and the health of the general public;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 20, 2001, as ILLINOIS CHIROPRACTIC SOCIETY DAY in Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

2001-423

## JEFFREY M. VER STEEG

WHEREAS, Jeffrey M. Ver Steeg joined the Department of Conservation, now the Department of Natural Resources, in 1979 as a District Wildlife Biologist housed in Antioch and also in Charleston until 1990; and

WHEREAS, Jeffrey M. Ver Steeg served with distinction as Chief of the

Division of Wildlife Resources from February 1990 to the present; and

WHEREAS, Jeffrey M. Ver Steeg is highly respected by IDNR staff, colleagues across the country and constituency groups for his honesty, integrity and professionalism; and

WHEREAS, Jeffrey M. Ver Steeg has greatly contributed to the proper management of our wildlife resources, has been a strong advocate for hunting and trapping and has been instrumental in strengthening hunting and trapping opportunities for Illinois citizens; and

WHEREAS, during Jeffrey M. Ver Steeg's tenure he reorganized the Private Lands Habitat Management Program which improved the State's wildlife restoration efforts, oversaw a modernization of Illinois' deer management program and concluded the restoration phase of Illinois' wild turkey project; and

WHEREAS, Jeffrey M. Ver Steeg's involvement on the International Association of Fish and Wildlife Agencies' President's Ad Hoc Committee on Baiting changed the strict liability law on waterfowl baiting, and subsequently the Migratory Bird Treaty Act; and

WHEREAS, Jeffrey M. Ver Steeg served as the Department's point person with numerous organizations such as the Mississippi Flyway Council, Association of Midwest Fish and Wildlife Agencies, International Association of Fish and Wildlife Agencies; and

WHEREAS, Jeffrey M. Ver Steeg served as a dedicated member and leader of various professional organizations including: President of the North Central Section of The Wildlife Society, Past-President of the Illinois Chapter-The Wildlife Society, National Bow Hunter Education Foundation, and College of Sciences Advisory Board of Eastern Illinois University;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, offer a sincere thank you for your outstanding accomplishments and wish you my heartiest congratulations on your future endeavors.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

2001-424

## MONSANTO'S STONINGTON, ILLINOIS, SEED PRODUCTION PLANT DAY

WHEREAS, Monsanto's Stonington, Illinois, seed production site received the top safety classifications bestowed by the U.S. Occupational Safety and Health Administration (OSHA); and

WHEREAS, the Stonington site, which prepares soybean seeds for distribution to farmers, is the latest of several Monsanto seed sites to receive recognition as OSHA Voluntary Protection Program (VPP) Star sites; and

WHEREAS, to earn the star designation, a plant must undergo a rigorous OSHA audit showing that its safety programs and practices reach high levels of excellence. The plant must also have an accident rate that is below the rest of the industry; and

WHEREAS, the overall assessment of the team is that the Monsanto site is an outstanding facility. The company demonstrated the great commitment necessary to create a highly effective safety and health environment; and

WHEREAS, achieving VPP Star status was a group effort and that the support and work of all employees at the site was necessary to achieve certification;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim July 23, 2001, as MONSANTO'S STONINGTON, ILLINOIS, SEED PRODUCTION PLANT DAY in



Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-425

##### MURPHYSBORO BARBECUE COOKOFF DAYS

WHEREAS, Illinois State Murphysboro Barbecue Cookoff is being held September 20-22, 2001; and

WHEREAS, the State of Illinois Cookoff is the largest and most distinguished cookoff in the State of Illinois; and

WHEREAS, the Murphysboro Barbecue Cookoff honors its ambassadors;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 20-22, 2001, as MURPHYSBORO BARBECUE COOKOFF DAYS in Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-426

##### PROSTATE CANCER AWARENESS MONTH

WHEREAS, prostate cancer is the most commonly diagnosed non-skin form of cancer and the second leading cause of cancer-related deaths among men; and

WHEREAS, the American Cancer Society estimates that 56,800 new cancer cases will be diagnosed this year in Illinois and 9,000 will involve cancer of the prostate, resulting in an estimated 1,400 deaths from prostate cancer; and

WHEREAS, this issue needs to be brought to the forefront, not only in educating men about the disease, but reminding them of the importance of early screening;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 2001 as PROSTATE CANCER AWARENESS MONTH in Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-427

##### RAY WILLAS DAY

WHEREAS, on September 8, 2001, the Village of Harwood Heights will be honoring its former mayor, Ray Willas; and

WHEREAS, Mr. Willas served as mayor for 28 years in the community of Harwood Heights, from 1973 until 2001; and

WHEREAS, under his stewardship, the Village of Harwood Heights was fiscally conservative; and

WHEREAS, Mr. Willas had a major hand in getting free public transportation for residents in the form of a Helper Bus; and

WHEREAS, Mr. Willas also worked with local schools to make them more community-based, and expanded the police department; and

WHEREAS, in addition, Mr. Willas helped to oversee a responsive Public Works Department and secured two parcels of property, virtually for free, for the Village;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim August 15, 2001, as RAY WILLAS DAY in Illinois.

Issued by the Governor August 1, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-428

##### DIABETES PREVENTION MONTH

WHEREAS, approximately 499,700 adults in Illinois have been diagnosed with diabetes and an additional 3 million people in Illinois are at increased risk of undiagnosed diabetes because they have the risk factors of age, obesity and sedentary lifestyles; and

WHEREAS, total annual costs of diabetes, both direct and indirect, in Illinois are at least \$7 billion and direct medical costs for hospitalizations, amputations and ketoacidosis are \$998 million; and

WHEREAS, type 2 diabetes can be prevented in those at high risk by such changes in lifestyle and improved diet, increased physical activity, and/or modest weight loss; and

WHEREAS, numerous studies support that people with diabetes can prevent or delay the progression of complications by practicing goal-oriented management of blood glucose, lipids and blood pressure; receiving diabetes self-management education; ensuring proper food intake and physical activity to help achieve target values; maintaining a healthy body weight; and receiving annual eye and foot exams; and

WHEREAS, during the month of September 2001 the Illinois Department of Human Services, in coordination with the Diabetes Control Program's "Nutrition and Physical Activity in the Prevention and Control of Type 2 Diabetes" workshop, will be promoting the importance of preventing diabetes and its complications;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 2001 as DIABETES PREVENTION MONTH in Illinois.

Issued by the Governor August 2, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-429

##### EDO NATIONAL ASSOCIATION DAY

WHEREAS, during its nine years of existence, the Edo Association of the Americas, Inc. has purchased medicine, chairs, books and computers for the schools in Edo State; and

WHEREAS, these supplies have benefited all grade levels from elementary schools to universities; and

WHEREAS, the association is also responsible for boring water holes for the Edo people located in communities that were in desperate need of fresh water sources; and

WHEREAS, the members of the Edo National Association are volunteering to share their multi-cultural heritage with schools in Chicago as well as throughout the State;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 1, 2001, as EDO NATIONAL ASSOCIATION DAY in Illinois.

Issued by the Governor August 2, 2001.

Filed by the Secretary of State August 2, 2001.

#### 2001-430

##### GYNECOLOGIC CANCER AWARENESS MONTH

WHEREAS, despite the fact that more than 80,000 women are diagnosed with

gynecologic cancer each year, the disease remains shrouded in mystery and misunderstanding; and

WHEREAS, in an effort to dispel some of those myths and misunderstandings, the Gynecologic Cancer Foundation has established September as Gynecologic Awareness Month; and

WHEREAS, the Gynecologic Cancer Foundation is a not-for-profit charitable foundation committed to advancing the care of women who are at risk or have been diagnosed with cancer of the reproductive organs; and

WHEREAS, the Gynecologic Cancer Foundation exemplifies this commitment through gynecologic cancer research grants and programs, readily accessible information and resources, and by spreading the message of prevention, early detection, and empowerment through knowledge to the public; and

WHEREAS, the lack of awareness about ovarian cancer often contributes to late diagnoses of the disease's progression; and

WHEREAS, late stage diagnoses can cut a woman's survival rate in half, demonstrating that increased awareness and education is crucial; and

WHEREAS, the Gynecologic Cancer Foundation was formed under the philanthropic arm of the Society of Gynecologic Oncologists, a professional society of physicians who specialize in gynecologic oncology; and

WHEREAS, the Society of Gynecologic Oncologists is the only U.S. medical organization dedicated to the prevention, detection and cure of reproductive cancers;

THEREFORE, I, George H. Ryan, Governor of the State of Illinois, proclaim September 2001 as GYNECOLOGIC CANCER AWARENESS MONTH in Illinois.

Issued by the Governor August 2, 2001.

Filed by the Secretary of State August 2, 2001.



